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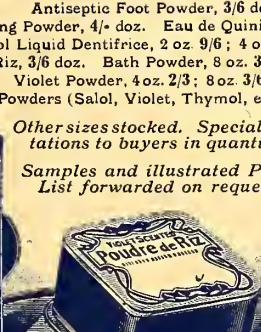
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FIG. 192.

FIG. 348.

FIG. 515.

FIG. 601.



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We claim that  
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to bring you the fullest returns for your expenditure.

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# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JANUARY 9, 1909.

## PUBLISHER'S NOTICE TO ADVERTISERS.

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS**, and to ensure the due insertion of the announcements the remittances must accompany the instructions. A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

## BEGIN THE NEW YEAR WELL

and keep it up. Advertise all your wants in this Supplement To pay for this will pay you.

## CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E. (Residential Suburb).—Ready-money Business, Retail, Prescribing, and Photographic; returns £1,270; attractive shop, double-fronted; roomy house; held on lease; valuation terms entertained.

2.—LONDON, S.W.—Established Business, Retail, Dispensing, and Photographic; returns £1,000, which produce a net income of £400 (about); full investigation courted; capital residence, with garden; private entrance; price £850.

3.—BALHAM (Near).—Modern Pharmacy; main thoroughfare; returns over £1,000; net profit £250; well-fitted shop, fully stocked; rent £60; long lease; roomy house, bathroom; price £650.

4.—LONDON, S.W.—Old-established Business, held by vendor 38 years; now retiring; returns over £400 per annum; scope for increase; comfortable residence; 21 years' lease; price £400.

5.—LONDON, E.C. (Main Thoroughfare).—Very old-established Business; returns under management about £12 weekly (present rate); scope for development; immediate sale desired; no reasonable offer refused.

6.—NORTH OF ENGLAND.—Modern Pharmacy, capitolly situated in the centre of town; returns over £1,200; net profit £350; price £1,000; full investigation invited.

7.—WARWICK (Near).—Good-class Business, Retail and Dispensing; position unique; returns about £600; net profit 25 per cent.; modern fitted shop; good house; price £450.

8.—MIDLANDS.—Old-established Business, all good middle-class trading; returns average about £1,500 yearly; net profit £550; well-appointed shop, double-fronted; valuation terms entertained; death cause of sale.

9.—LEICESTERSHIRE.—General Retail Business, with excellent Optical connection; returns £1,200; net profit £350; large convenient premises; rent £45; price £800.

10.—HOME COUNTY (Market Town).—Retail, Dispensing, and Photographic; all good middle-class business; returns £363; gross profit £390; roomy house, and garden, held on lease; price £650.

11.—WALES.—Good-class Business; returns about £2,400 yearly; gross profit 50 per cent. (proof given); modern fitted shop, fully stocked; intending investors with about £2,000 at command will find this a sound investment.

12.—WILTS (Market Town).—Family Retail and Agricultural Business; established 1842; returns exceed £500; net profit £130; comfortable house and garden; rent £45, on lease; price £450.

13.—DORSET COAST.—Retail, Dispensing, Prescribing, and Photographic; all good middle-class business; returns £620; net profit £200; modern fitted shop, fully stocked; terms, simply the value of stock and fixtures.

14.—SURREY (Charming Locality).—Good-class Business, Dispensing, Prescribing, and Light Retail; established 70 years, and held by vendor 40; returns average over £1,200; net profit £360; further details on application.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co., desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.



# BRETT & CO.

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**VALUATIONS** have always had our special and personal attention, and an experience of thirty years is at your disposal. **AGENCY.**—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell and who do not wish their businesses to be advertised.

**STOCKTAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.**

**YORKS.**—High-class cash trade; Photographic and Wines, with excellent Specialities; tram terminus; best street in town; very old established; returns £1,250; net profit £350; price, goodwill £150 and valuation, about £850; splendid concern.

**YORKS.**—Splendid high-class Dispensing Business, with nice Photo and Optical connection; one of the best businesses in the district; old-fashioned, fine premises, which can be had on lease at moderate rent; returns £2,600; price, valuation only, about £1,200; grand opportunity.

**MIDLANDS.**—Good-class Light Retail, with Photo trade and nice Optical connection; splendid position in main street of busy town; returns £1,400; valuation of stock and fixtures.

**YORKS.**—Middle-class Retail and Dispensing and good Proprietaries; small Wholesale; large yard and garden, and excellent premises; very old-established; returns £800 (or thereabouts); price £350, or offer; this is a bargain.

**HERTS.**—Middle-class Retail with Mineral-water plant; very old-established; returns £10 per week, and can be greatly increased; price £525; good premises; moderate rent.

**DURHAM.**—Fine, good-class Photographic concern, with excellent premises, fitted up in the best style, and every convenience; Chemist's Business could be added with great advantage; low rent for the position, which is one of the best in the town; returns £1,700; small goodwill and valuation of stock and fixtures, about £1,250.

**MIDLANDS.**—A real good old-fashioned Country Chemist's Business, with Grocery and Wines, in a very busy market town; fine corner shop and good premises; now under management; can be greatly increased with personal attention; returns £3,000; price required, only valuation, about £1,300.

**GLOUCESTERSHIRE.**—Unopposed Light Retail, Photographic, and Dispensing; good shop and house; large garden; very old established; returns £530; net profit £200; price £425.

**KENT.**—Good-class Retail, Dispensing, and Photographic, in centre of main business street; large, lofty, and beautifully fitted shop, in latest style; returns £800, and increasing; price £750, or offer.

**BERKSHIRE.**—Good-class Dispensing and Light Retail; very good Photographic connection; good house and shop; old established; returns £900; price £650; great scope for increase; references required.

**LEICESTER.**—Good Light Retail, Dispensing, and Prescribing; splendid position and nicely fitted; returns £16 weekly; low rent; price £450; can be greatly increased.

**BIRMINGHAM.**—Nicely fitted and stocked shop in central position of main thoroughfare; no opposition; nice house; returns £10 per week, and rapidly increasing; will accept £150 to prompt purchaser; fine chance to anyone commencing business on their own.

**LANCS.**—Good Light Retail, Photographic, and Optical, in busy town, main street; old established; returns £750; valuation, about £400.

**WARWICKSHIRE.**—Very nice Dispensing and Light Retail Business, with Photographic; good shop; in nice position of inland health resort; convenient house; returns £600; owing to sudden illness of vendor, will accept £450, or near offer; splendid opportunity.

**YORKS.**—Nice Light General Retail, Prescribing, and Agricultural Business; very nice country district; unopposed; returns £400; price £160; rent £20.

**YORKS.**—Mixed General Retail, in pretty country district; nice corner shop, and very old established; good house; returns nearly £400; price £400.

## MESSRS. BERDOE & FISH,

*Chemists' Valuers and Transfer Agents,*

**35 JEWRY STREET, FENCHURCH STREET, CITY.**

TELEPHONE: 1809 CENTRAL

**Have the following Businesses for Disposal. (No charge to Purchasers.)**

1.—**MIDLANDS** (Charming Health Resort).—High-class Dispensing Business; increasing; net profit nearly £500; elegantly fitted Pharmacy, and well stocked; good house; price £900, simply valuation.

2.—**YORKSHIRE.**—High-class City Business, in excellent position; returns about £1,250; net profit £345; handsome Pharmacy, fully stocked; price £1,000; strongly recommended.

3.—**HERTFORDSHIRE** (Busy Market Town).—Good-class Light Retail Business, in very best position; returns average £875; neglected; could easily be made do £1,200; good house and shop; price, valuation, plus small goodwill.

4.—**HAMPSHIRE.**—Light Family Retail Business, in small town, charming locality; returns over £900; excellent profits; low rent; attractive shop, well fitted and stocked; price £775; personally inspected and strongly recommended.

5.—**NORTH WALES** (Market Town).—Light Retail and Dispensing, with Photographic; central position; returns over £1,000; net profit £250; low rent; handsomely fitted shop, fully stocked; price £600, or near offer.

6.—**WILTSHIRE.**—Good-class Family Retail Business; easily worked; returns £450; good profits; scope for increase; no opposition; well-fitted shop, fully stocked; good house and garden; price £350.

7.—**DORSET COAST.**—Light Retail, Dispensing, Prescribing, and Photographic; in good position; returns £620; net profit about £200; modern-fitted shop, well stocked; price £320, or valuation.

8.—**WEST KENSINGTON.**—Light Retail, Dispensing, and Prescribing Business; returns nearly £1,400; net profit £391; well-fitted Pharmacy and good stock; large house and garden; price £850.

9.—**CITY.**—Good-class City Business; entirely under manager; returns £13 to £14 weekly; will do £20; well-fitted shop, good stock; price £350.

10.—**SOUTH COAST.**—Good-class Retail and Dispensing Business; returns £725; scope for much increase; well-fitted pharmacy and well stocked; good position; price £600, or near offer.

11.—**SURREY.**—Good-class Family Retail and Dispensing Business; returns over £1,000 under manager; net profit £500; very good position; scope for much increase; price £750; personally inspected.

12.—**LANCS.**—Light Retail, Dispensing, Prescribing, and Optics; returns £700; no patents sold; net profit £250; handsome shop, well stocked; offer wanted; part can remain; strictest investigation courted.

13.—**YORKSHIRE** (Inland Health Resort).—High-class Retail and Dispensing Business; charmingly situated; returns about £550, increasing; modern Pharmacy, well fitted and stocked; price £375.

14.—**SOUTH-EAST COAST.**—Light Family Retail and Dispensing, with Photographic trade; returns £900; net profit £230 clear; central position; comfortable house; price £500; fullest investigation invited.

15.—**HOME COUNTY.**—Unopposed Village Business; no side-lines; returns average £600; low rent; on lease; good house and garden; pleasantly situated; price only £250.

16.—**CHESHIRE.**—Light Retail Dispensing and Prescribing Business, in splendid position, good residential district; returns £800; net profit £200; good house, etc.; illness sole cause of sale; price only £400.

17.—**LONDON, S.E.** (splendid Main Road position).—Light Family Retail and Dispensing; returns £700; gross profits 45 per cent.; plenty of scope in younger hands, owner retiring; valuation of stock and fixtures only required.

18.—**LONDON SUBURB.**—Very profitable Cash Retail and Prescribing Business; no cutting; returns £550, increasing each month; double-fronted shop; modern fittings; good stock; rent £30; price £325; trial allowed.

### STOCKTAKING.

Every modern Chemist knows that Stocktaking is a necessity, but is he aware of its immense value and importance in connection with FIRE INSURANCE and preparing a BALANCE-SHEET? If not, he should at once turn up page 115 in the "C. & D. Diary, 1909," and carefully read our advertisement on this subject, and then write for our special terms for doing this work.

J. G. BERDOE established the firm in 1870, and W. S. FISH was apprenticed to him in 1877.



Do you require the services of an **EXPERT Valuer** at one half the usual fees?

Do you want your **Stock taken** and save all the worry and trouble the work entails?

Do you want to purchase **Fixtures or Fittings** 30 % cheaper than elsewhere?

Have you any **Patents, Drugs, or Sundries** to dispose of?

Have you a **business for Sale**, or do you require one?

*If so, write us at once.*

**We are buyers and sellers of anything or everything for Chemists.**

**JACKSON & COMPANY,**  
Chemists' Brokers, 16 Stratford Avenue, ROCHDALE.

**T O M T O M**

Telegraphic Address.

**THOS. TOMLINSON & SON.**

Chemists' Valuers and Expert Stocktakers,

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

## PARSON C. BAKER

**174 VICTORIA ST., LONDON, S.W**

Recommended by—MESSRS. BARRON, HARVEYS & CO.  
Telephone: MESSRS. MEGGESON & CO.  
No. 27 Victoria. MESSRS. BARCLAY & SON, LTD.

**NORTH YORKSHIRE.**—Old-established good Retail and Agricultural; returns average £1,800 and net profit £400; well-fitted shop and warehouse; rent £120; price, valuation of stock and fixtures.

**WEST LONDON.**—Old-established and well-known Store Business, doing steadily increasing trade; now £1,600; over 5,000 prescriptions annually; large shop and good house; rent £100; can let off £45 to £50; price £850.

**SCOTLAND.**—Good Mixed Business in mining town, near Glasgow; returns £900; good house and shop; rent £47; price, value of stock and fixtures.

**KENT.**—Good-class Family Retail; unopposed; good prices; rent £60, part let off to dentist weekly; well-fitted shop and good house; returns last 3 years, £500, £620, £700; price £100 and valuation.

**NORTH LONDON.**—Old-established Store, now under management; returns £600; will do £1,500 easily in good hands; good shop, house, and garden; rent £160; first offer accepted approaching value of stock and fixtures.

**NEAR LONDON, W.**—Established two years; returns £750; rent £95; half let off; net profit £250; price £250.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents, or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

## BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

### COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

**BIRMINGHAM.**—Profitable middle-class Business; busy thoroughfare, near centre of city; corner shop; good house; rent £40; few Patents, Photography; fullest investigation; good reasons for selling; price £275. "M.P.S." (111/1), Office of this Paper.

**BRISTOL CITY.**—All ready-money trade; Light Retail, large Prescribing Business; cheap; same hands 15 years; very old established; good 9-roomed house; rent low; takings £10 a week; price £350; a great bargain; should be seen; a trial given. 110/5, Office of this Paper.

**CITY OF LONDON.**—Genuine Business; Retail, Dispensing, and Prescribing; good position principal thoroughfare; handsomely fitted and good stock; long lease; moderate rent; about £400 (value of stock and fixtures). Particulars on application to "T." (116/27), Office of this Paper.

**EAST COAST.**—Good all-year-round trade; long lease; genuine Prescribing Business; through death; central position in town; modern fittings and well stocked; returns £700; excellent profits; genuine cash buyers only; no agents; first-class opening for dentist. "Executors" (117/12), Office of this Paper.

**EAST KENT.**—Genuine ready-money Light Retail and Prescribing Business; good thoroughfare; scope for increase; no side-lines; expenses small; rent £25; returns between £320 and £350; price £200; only personal interviews entertained. For appointment write, "Genuine" (113/19), Office of this Paper.

**HOME COUNTY (Fashionable Inland Health Resort).**—Sound, well-established Light Retail Business, returning last year £743, all ready money; main road position; comfortable house; moderate rental; shop is well fitted and exceptionally well stocked; price £550; not a personal business, and will bear the strictest investigation. Address, "Bona Fide" (118/103), Office of this Paper.

**LANCASHIRE.**—For immediate Disposal, good sound Business in mining district; population over 6,000; nearest opposition 4 miles away; returns last year £756; profits good; rent only £22 per annum; good scope for increase; price required £450; splendid bargain; only wants seeing. "Bargain" (110/6), Office of this Paper.

**LANCASHIRE.**—Oldest-established Retail, Dispensing, and Prescribing Business in growing industrial town with population of 30,000; returns £500; gross profit £240; excellent stock; business easily capable of extension, and affords good opening for Optics, Photography, and all modern Side-lines; owner retiring through ill-health; offer wanted. Apply, "X," Messrs. Evans, 56 Hanover Street, Liverpool.

**LINCOLNSHIRE.**—Small Branch, Retail, Prescribing, and Agricultural; nearest opposition 6 miles; increasing population; unopposed; suit either qualified or unqualified beginner; great scope for increase under personal supervision. "Statin" (111/4), Office of this Paper.

**LONDON, S.E.**—A rare opportunity occurs for smart business man to acquire a thorough sound going Business in good neighbourhood; fine stock and fixtures; big profits; health reasons sole cause of disposal; capital wanted £300. Full particulars, apply, "H. H. J.," 2 Elsinore Road, Forest Hill, S.E.

**LONDON, N.**—Double-fronted modern Pharmacy in good shopping thoroughfare; low rent (let off £50); good yard and basement, sitting-room, private entrance; good house; excellent repair; splendid lease; always under manager, requires personal attention; well stocked; electric and gas; very profitable; returns £400; £100 cash required, balance by easy instalments. 111/33, Office of this Paper.

**LONDON, N.**—Modern-fronted, handsome Pharmacy in a busy market, returning over £1,500; plenty of scope; rent partly covered; price £900, or near offer; long lease; comfortable house. "Squills" (112/1), Office of this Paper.

**LONDON, N.**—For immediate Disposal, a first-class Business doing between £760-£800 year; capable of considerable increase; in good neighbourhood; long lease; rent £60; satisfactory reasons for disposal. Apply, "H. H. J.," 2 Elsinore Road, Forest Hill, S.E.

**LONDON, S.W. (Charming Residential Suburb).**—Well-established Retail, Prescribing, and Dispensing Business; best position; main street; nice house; low rent (part let); a genuine business, yielding a substantial income over £200 net; books, receipts, etc., available; price, valuation of stock and fixtures, about £300. Full particulars (references preferred), "Success" (114/17), Office of this Paper.



## BUSINESSES FOR DISPOSAL

(continued.)

**LONDON, E.**—Good middle-class Retail Business, with Photographic, cash trade; well-fitted large shop; fine corner position; well stocked; returns £1,000; profit nearly £400; stock and fixtures worth £550; genuine offer; no agents: price £575. 117/04, Office of this Paper.

**LONDON, S.W.**—Returns under £600, at good profits; scope for increase; well fitted and stocked; good residence; price £300; excellent chance for Pharmacist. Apply, "Chemicus" (113/13), Office of this Paper.

**LONDON, E.**—Very profitable cash Business; well stocked; returns £300; profit £175 under management; price £140, about valuation; a little bargain; would easily do £500 under proprietor; comfortable shop and house. 117/40, Office of this Paper.

**MANCHESTER (Near).**—Sound Cash Retail, with Wines and Spirits, in busy manufacturing town; returns £650; rent £50; splendid chance to acquire genuine concern at very low figure. Write, "Statin" (115/25), Office of this Paper.

**MIDDLESEX (Charming Locality).**—Established Business, Retail, Dispensing, Photographic; good residence, with small garden; private entrance; attractive shop, double-fronted, held on lease; valuation terms entertained. Apply King (112/7), Office of this Paper.

**MIDLANDS.**—Country Business near Chesterfield; returns £900; Side-lines, Optics and Dentistry; corner shop; best position in town; population 8,000; an excellent opportunity for smart man. Apply, "Radix," c/o Evans Sons Lescher & Webb, Ltd., Hanover Street, Liverpool.

**MIDLANDS (busy Market Town).**—Good-class Light Retail Business, with Optics; returns £1,250, and producing a net profit of £380 after paying assistant and all expenses; low rent; long lease; good house and shop; very best position; fully stocked; good reasons for selling; price £800; references required. Apply, "M. M." (118/13), Office of this Paper.

**NORTH WALES.**—Good-class Mixed Country Retail and Dispensing; large shop, in central position; fully stocked and well fitted; returns average about £1,000; rent £35 (£20 let off); established over 30 years. Apply, "Ferrum" (112/31), Office of this Paper.

**S.E. DISTRICT.**—An old-established Retail, Dispensing, and Prescribing Business; main road position, in very busy centre; returns £520; splendid opening for Dental or Photographic Business; price £275, or near offer to immediate purchaser, as must sell on account of ill-health. Apply, Wellington, 15 Eddystone Road, Crofton Park.

**S.W.** (40 miles from London).—High-class Business; corner shop; electrically lighted; main road; increasing neighbourhood; to be sold at once; good reason; average takings £600 a year; few patents; healthy house and district; easy access to City; suit young energetic man; £150, stock at valuation. 112/15, Office of this Paper.

**SOUTH WALES.**—£400.—Compact Branch in large manufacturing town on main line; turnover £500; capable of doubling; £100 cash, £300 could remain. "Maxim" (111/28), Office of this Paper.

**SOUTHERN.**—Small Retail and Prescribing for Sale; growing district; nearest opposition quarter hour's walk; increasing trade; health cause of selling; price about £150, or offer. Apply, "Health" (116/28), Office of this Paper.

**YORKSHIRE.**—Splendid paying Business for Disposal owing to ill-health; situated in main thoroughfare of large town; capable of great increase; returns nearly £1,250; net profit £350; no reasonable offer refused. Apply, 113/27, Office of this Paper.

**A SEPTIC HOSPITAL FURNITURE.**—As a going concern, the Business carried on at 50 Hockley Hill, Birmingham, by Messrs. Witt & Co., for the manufacture of Patent Aseptic Furniture; furniture manufactured by the above was exhibited at the recent Franco-British Exhibition, and is now supplied to some of the leading hospitals in the country; valuable patents, trade-name, stock, book debts (optional). Apply to Messrs. Poppleton & Appleby, 25 Corporation Street, Birmingham.

**CASH Retail** in densely populated middle-class neighbourhood; corner shop, well stocked; returns over £500; rent £45; large house, with side entrance; can be let off; price £150 down and £5 by instalments, or reasonable cash offer. "N. W." 29 Rossett Avenue, Sefton Park, Liverpool.

**DENTAL and Chemist's Business** at Whitley Bay for immediate Sale, owing to death of proprietor, who has for the past nine years successfully carried this on, including Dental Optics and Photography as side-lines; value of stock, fittings, etc., is £550; will accept £475 or best offer; returns last year £800. Full particulars to "Business," c/o John Ismay & Sons, Wholesale Druggists, Newcastle-on-Tyne.

**FIRST** reasonable offer taken for Branch Business in good-class S.W. district; good house, with fair-sized garden; on lease (17 years to run); stock and fixtures cost over £700; will sacrifice for immediate sale. "Genuine" (110/13), Office of this Paper.

**FOR Disposal**, a brisk Business of best class in high-class health resort; returns average over £3,000; mostly cash; good prices; position unique. 117/27, Office of this Paper.

**FOR immediate Disposal**, owing to death of proprietor, old-established main-road Business; neglected, but capable of big increase; good house and garden; rent partly covered: the same may be acquired by payment of £50 down and remainder easy payments to the amount of £150 all told; this to effect a quick sale is a remarkable offer. Full particulars upon replying to 117/20, Office of this Paper.

**GOOD-CLASS Retail, Dispensing, and Photographic Business** in good town; within an hour's journey from London; returns over £1,100; double-fronted shop; well fitted and stocked; convenient house with good garden; genuine reasons for selling; price £750, or valuation terms arranged if preferred. Apply, "Odol" (118/301), Office of this Paper.

**LIGHT Retail Cash Business** for Disposal, about 12 miles from London, in growing neighbourhood; now under management; returns for last 3 years average £350; good opportunity for Prescriber and Dentist; mineral-water machine for filling own syphons; business can be doubled under personal attention. 115/1, Office of this Paper.

**OLD-ESTABLISHED profitable Business** to be sold; no agents; only a penny tram ride from Moorgate Street; average weekly takings £13; rent £50, let off £30 4s.; good lease, option of renewal, grand opportunity for a young married man. "Virdom" (107/25), Office of this Paper.

**SMALL Branch Business** for Sale, cheap, in Rotherham, with house attached; easy rent; capable of extensive increase; very good fixtures and fittings and excellent window. For full particulars apply, S. P. Billington, 79 Midland Road, Masbro'.

**SMALL Business**, within easy distance of London, doing £300 under unqualified; good profits, scope for increase; big population; no opposition near; splendid opening for Dentistry, Optics, and Photography; price £200, or near offer. Apply, "Hop" (113/9), Office of this Paper.

**SNUG little Country Business**, unopposed, in North; population 2,000; applicants must have knowledge of Dentistry and Agricultural; price £350. Full particulars, "Codex" (113/34), Office of this Paper.

**TO Buyers.**—Genuine Business; South Coast; Photography, Prescribing, Dispensing, Light Retail; nice house; fine situation; long lease; returns nearly £500; excellent stock. Barton, Business Transfer Agent, Folkestone.

**TO CHEMISTS AND DRUGGISTS.**—For Immediate Disposal, Businesses in South London.—Lease about 16 years to run; rent £60, increasing to £65; good shop and living accommodation; turnover steadily increasing; last year £1,270; price, for lease, fixtures, and goodwill, £500; stock (cost about £600) at valuation.

Lease about 14 years to run; rent £95, increasing to £110; exceptionally well-fitted double-fronted shop; upper part sublet at £30 per annum; nominal price for lease, goodwill, and fittings: stock (cost about £200), etc., at valuation. Offers of a lump sum for both or either of the above Businesses will be considered. Francis Nicholls White & Co., Chartered Accountants, 14 Old Jewry Chambers, London, E.C.

**£50** for Quick Sale.—Surrey.—Small Retail and Prescribing Business in growing district; population 17,000; nearest opposition 10 minutes' walk; lease; stock and fixtures; good reasons for selling. "Betol" (112/22), Office of this Paper.

**£400** or close offer; London, S.W.; good-class Business; best position in fine shopping centre; well fitted and stocked; no store opposition; rent £75; upper part let off at £65; has done £1,000 per annum at good prices; energetic man with capital could double; a genuine bargain. "Gift" (117/16), Office of this Paper.

**£500.**—London, N.—Middle-class Family, Dispensing, Photo, and Inerative Proprietaries yielding a very large profit; well stocked; genuine reasons for selling. Dixon, 5 Eton Road, Haverstock Hill, N.W.

## TO LET.

**HIGH STREET, Harlesden.**—Modern Shop to be Let, in the best position, with excellent living-rooms and back entrance; a first-rate opening for a Chemist and Druggist, in an established centre; rent £100 per annum, with a period free, or the shop might be fitted. Apply to Messrs. H. E. Foster & Cranfield, Surveyors, 6 Poultry, E.C.

**SHOP and House to Let;** commanding position; main road, Boreham Wood, Herts; upper part containing 5 rooms, bath (h. & c.), and every convenience; good opening for Chemist; 3 minutes from station, Midland Rail. Apply, S. E. Cook, Grocer, Boreham Wood, Elstree.



## FOR SALE.

**FOR SALE.**—The modern Fittings of a shop (second-hand) about 14 ft. by 12 ft., £35; 12-ft. wall-fixture, drawers, lockers, shelving, with mirror cupboard, etc., £11 10s.; 1 4-ft. stock or poison cupboard, 20s.; set plate-glass shelves, 4 ft. long, with bars and brackets, 40s.; 4-ft. 6-in. bent-front case, 75s.; 8-ft. counter with mahogany top, 55s.; 6-ft. dispensing-screen, £4 10s.; 144 gold-labelled rounds, £5 15s.; 120 recess label ditto, £8 10s. R. TOMLINSON & SONS, Bond Street, Birmingham.

**FOR immediate Disposal**, for removal, the Stock, Fixtures, and working Utensils of an old-established Drug business; the fixtures are in good condition, and stock suitable for general trade; good opportunity for anyone commencing business. Apply, T. Johnson, 8 Market Place, Wigan.

**SHOP Fittings for Sale**, splendid condition; one wall fixture 15 ft. 1 in. by 8 ft. 9 in. high, one 6 ft. 3 in. by 8 ft. 9 in. high; both with shelves above, with plate-glass mirror backs and drawers below; one case 13 ft. 1 in. by 9 ft. high; all the above are polished mahogany. Hart, Chemist, Bolton.

## AGENCIES.

**A CAPABLE** Moscow Agency house wishes to Represent, in Russia, a few first-class Manufacturing firms; good references. Apply, "M. K." (111/38), Office of this Paper.

**AGENCIES Wanted.**—Messrs. C. H. Huish & Co., sole British agents for the "Pasteur" Vaccine Co., Paris, "Tallianine," "Exalgine," "Vergotinine," etc., are open to negotiate for others. Apply, 12 Red Lion Square, London, W.C.

**IRELAND.**—Wanted, on commission, first-class Manufacturing Drug Houses, Patent Medicines, or as Stocking Agent, by a Pharmaceutical Chemist of experience; would introduce Specialities to the Medical Profession. Address, "Emerald" (117/13), Office of this Paper.

## BOARD AND RESIDENCE.

**CHEMIST** in business, single, desires to meet a Student or Assistant who would lodge with him; has housekeeper; terms moderate; within easy distance of Square and schools. Letters to "A.", 130 Liverpool Road, Islington, N.

## BUSINESSES WANTED.

**A GOOD** Retail and Dispensing Business in South of England where £1,000 or £1,500 (cash) may be invested; all communications treated confidentially; no agents; first advt.; Store trade not objected to. Send full particulars of business and house to 112/40, Office of this Paper.

**MESRS. BERDOE & FISH**, having been successful in recently disposing of a large number of Businesses, are in immediate want of sound concerns in London and all parts of the country for cash buyers from £360 to £5,000; strictest confidence guaranteed; correspondence cordially invited from intending vendors. Address, 35 Jewry Street, Fenchurch Street, London, E.C.

**WANTED**, small Drug Business, with house attached; Manchester district. Full particulars (in confidence), 114/40, Office of this Paper.

**WANTED**, a Business; London or suburbs; returns about £1,000. Full particulars (in confidence) to "G. R." (111/39), Office of this Paper.

**WANTED**, to purchase a small genuine Business; please give ordinary particulars in first letter (in confidence); no Dental business considered. "F." (117/31), Office of this Paper.

## PARTNERSHIPS.

**A S Partner** in Wholesale business; good experience in Wholesale and Retail; or would buy a small Wholesale Business. A genuine offer to good business. State money required and full particulars to "Rhei" (117/24), Office of this Paper.

**PARTNERSHIP.**—Wanted, a suitable Partner in a brisk, high-class Business in a fashionable health resort; applicants will require to be conversant with modern Pharmacy and quick cash trade; references required. Address, "Spes" (117/28), Office of this Paper.

**YOUNG** gentleman, well educated, who has received an excellent Pharmaceutical training in West-end businesses, seeks a situation (Wholesale or Retail, the former for preference) where industry, ability, and good character, combined with the introduction of capital, would secure a permanent and progressive position; splendid references. Replies (in confidence) to 118/10, Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

RESULTS OF ADVERTISING IN THIS SUPPLEMENT	
LAST WEEK Jan 2 1909	
NATURE OF ADVT	REPLIES
TRAVELLER	34
ASSISTANT	24
DISPENSER	23
" (QUAL)	21
BOOK-KEEPER	20
MANAGER (QUAL)	19

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

## RETAIL.

**BIRMINGHAM.**—Manager, married, wanted, to live on premises. Send usual particulars, with photo (to be returned), to Chas. Thompson, Pharmaceutical Chemist, Sparkbrook, Birmingham.

**CARDIFF CITY MENTAL HOSPITAL** (Asylum for the County Borough of Cardiff).—Lady Dispenser required; single; must hold certificate of Royal Pharmaceutical Society; salary £80 per annum, with dinner daily. Particulars of duties contained in the form of application forwarded by the undersigned on receipt of a stamped addressed foolscap envelope, The Medical Superintendent, Cardiff Mental Hospital, Whitechurch, near Cardiff.

**CHINA.**—A qualified Assistant for high-class Chemist's and Druggist's business; aged 22 to 28; must have had good experience in first-class house; liberal salary offered, and passage paid out and home. Address, "China" (113/26), Office of this Paper.

**CHINA.**—Junior qualified Assistant, about 24; three years' agreement; short hours; liberal terms; passage paid out and home. Apply, Dakin Brothers, 82 Middlesex Street.

**CROYDON.**—Wanted, a reliable outdoor Assistant, chiefly for hospital Dispensing and general Retail. Apply, stating qualification, age, height, and salary expected, to Dix, Lancaster & Co., 8 High Street, Croydon.

**GRIMSBY.**—Junior, unqualified (indoors) wanted, immediately, for Light Retail and Dispensing business; hours 8 to 8, Saturdays 11; half-day holiday weekly. Full particulars of experience, age, height, and salary, with photo, to E. W. Bowskill, 121 Grimsby Road, Grimsby.

**INDIA, N.W.**—Assistant, qualified, with good Wholesale experience, to sail February 12; salary first year £160, second £180, third £200; 3 years' agreement; passage paid out and home; Scotchman preferred. Apply, with copies of testimonials and photo, to "R. L.", c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, London.



# SITUATIONS OPEN *(continued).*

**JAPAN.**—Junior-qualified Assistant (about 24) in old-established English Chemist's; good climate; short hours; passage paid out and home. Apply, 152/34, Office of this Paper.

**LIVERPOOL.**—Bain & Co. require a qualified Assistant, about 23 years of age, on February 1; three kept. State age, height, salary required (outdoors), references (photo if convenient), to John Bain, 4 Quadrant, Lime Street, Liverpool.

**LONDON.**—An indoor qualified Assistant wanted, about 23 years of age; must have had good Dispensing experience. Apply, A. J. Phillips, 156 Cromwell Road, South Kensington.

**LONDON, W.**—Qualified Assistant for first-class Retail and Dispensing; outdoors. Apply, with full particulars, photo, and salary required, to John F. Harrington, 45 Kensington High Street, W.

**LONDON, W.**—Wanted, a gentlemanly Assistant, qualified, of good appearance, about 25, accustomed to good-class Dispensing business. Sanguinetti & Harding, 120 Uxbridge Road, Ealing.

**LONDON, S.W.**—Required, Dispenser with Minor qualification; aged about 25; salary to commence 45s. per week (outdoors); no Sunday duty; 14 clear days' annual vacation; hours of work approximately 8.45 to 6 p.m., Saturdays till 2 p.m. Reply, stating full particulars of experience, etc., by letter, to "644," Sell's Advertising Offices, London, E.C.

**LONDON, W.**—Immediately, thoroughly reliable, energetic, qualified Manager (30 to 50) for brisk Retail (singlehanded); must be well recommended; good Extractor preferred; reasonable hours (outdoors), but dinner provided; personal application (Saturday afternoon or Sunday), or photo, with particulars and lowest salary accepted; commission and permanency to suitable man. Challis, Chemist, Southall.

**LONDON, W.**—Branch Assistant; unmarried; qualified; indoors; singlehanded; age over 24; must be of gentlemanly appearance and address; a reliable Dispenser with knowledge of Photography and Light Retail; abstainer preferred. Apply to R. L. Whigham, 22 Brook Street, Bond Street, W.

**LONDON, S.W.**—Qualified Assistant; about 25 years of age; outdoors, but to sleep on the premises. Please give particulars of experience, height, and salary required, to "E. J. J.," c/o Messrs. Cooper, Son & Co. Ltd., Chemists, 24 Sloane Street, S.W.

**LONDON, W.**—Wanted, at once, smart young qualified Assistant as Counterman; good experience and references; no holiday or Sunday duty. The Manager, S. F. Goss, Ltd., 460 Oxford Street.

**LONDON, N.**—Outdoor Assistant required, about 25th; Minor qualification; age preferred between 25 and 30; salary 45s. weekly. Felton, Chemist, 253 Balls Pond Road, N.

**LONDON, W.**—Qualified Assistant for first-class Retail and Dispensing business; outdoors; hours 8.30 a.m. to 8.30 p.m., 3 nights on duty until 10 p.m.; half-day weekly from 2 o'clock; alternate Sunday duty morning 11 a.m. to 1 p.m., evenings 6 p.m. to 9 p.m. H. L. Douthwaite, Chepstow Mansions, Westbourne Grove, W.

**LONDON, S.E.**—Young, qualified Assistant wanted, at once; indoors; comfortable home. Jones & Co., 161 New Cross Gate.

**LONDON, W.**—Qualified Counter Assistant; previous high-class experience essential. Please give full particulars to Frank A. Rogers, 327 Oxford Street, W.

**MIDLANDS.**—Qualified Assistant wanted for Store business; must be good Salesman, Prescriber, and all-round Counterman. Apply, with photograph and full particulars, to 112/32, Office of this Paper.

**OXFORD.**—Wanted, Assistant; qualified; single; indoors. State age, salary, and full particulars to John A. R. Burbank, 116 Walton Street, Oxford.

**ROYAL SURREY COUNTY HOSPITAL, GUILDFORD.**—Male Dispenser wanted; candidates must be willing to devote their whole time to the duties, must possess the Pharmaceutical Society's qualifications, and be able to manufacture Preparations; applications, stating age, experience, and salary required, with copies of not more than three recent testimonials, to be sent to me at the Hospital as soon as possible; canvassing will disqualify. W. T. Patrick, Assistant Secretary.

**SOUTH OF ENGLAND.**—Smart, gentlemanly, qualified Assistant required: aged 25 to 30; good salary and permanency for suitable man; must possess exemplary character for honesty, sobriety, and ability as a Salesman. Timothy White Co., Ltd., Portsmouth.

**SOUTH OF FRANCE.**—Wanted, at once, for high-class Pharmacy, a qualified Assistant for the season till May 1, with good London experience and references. Reply, with particulars, to "Riviera," 30 Cleveland Mansions, Brixton, S.W.

**WEST-END.**—A good Assistant required for Sales and Dispensing Counter of high-class modern business. Apply, 118/15, Office of this Paper.

**WESTON-SUPER-MARE.**—Wanted, a qualified Assistant (indoors) for Dispensing and Light Retail. Send full particulars, with photo if possible, John Cooper, Pharmaceutical Chemist, Weston-super-Mare.

**A. G. GLASSPOOL, LTD.**, require 2 Assistants; a qualified Manager, married, for branch, good living accommodation; also Junior Assistant, about 21 years of age, unqualified. Apply, by letter in first instance, to A. G. Glasspool, Ltd., Halesowen, near Birmingham.

**BRANCH Manager** for Colliery district; Welsh speaking; abstainer; one seeking permanency; must be thoroughly reliable. Photo and particulars to D. George, Pentre, Glam.

**BRANCH Manager**, qualified and experienced, wanted at once, no one need apply whose references will not bear the strictest investigations, to 167/27, Office of this Paper.

**E. C. PERKS & CO.**, 1 Sloane Square, S.W., require a qualified Assistant, indoors.

**JUNIOR**; at once; good Counterman; willing and obliging; Photography. State age, experience, salary required, enclose references, A. H. Evans, Chemist, Dorchester.

**JUNIOR or Improver** wanted, immediately, in Dispensing and Retail business; outdoors; aged about 17 to 21. Call (or write) between the hours of 12 and 2, 648 Fulham Road, S.W.

**JUNIOR Assistant**, for February 1; unqualified; outdoors. Full particulars of experience, age, height, and salary required, enclosing photo, to H. W. Bryan, The Pharmacy, Portishead, Som.

**LEWIS & BURROWS** have a vacancy for a good Counterman. If application is made by letter, please enclose photograph and full particulars to 22 Great Portland Street, W.

**MARRIED Assistant** for good provincial business; one accustomed to Dispensing and Counter work, also a good writer; must reside on premises and be able to furnish most reliable references aged about 30. Send full particulars of experience (without photo) to "Pharmacist" (115/3), Office of this Paper.

**MARTIN'S STORES, LTD.**, Wolverhampton, require a qualified Chemist (married) to Manage a Branch Store business in this district. Apply as above, giving name of employers for last three years; and state salary required.

**UNQUALIFIED Assistant**, between 30 and 40 years of age, for good-class Retail and Dispensing in residential suburb of New castle-on-Tyne; must be abstainer, of good address and appearance and thoroughly competent; only first-class men need apply. Apply, giving full particulars, salary, enclosing photo (returnable), 89/2, Office of this Paper.

**WANTED, Manager**, qualified, for Branch; house accommodation; permanency to good man. State age, salary required, experience, and give references, to J. Savage & Co., Ltd., Chemists, Bradford.

**WANTED, qualified Assistant** for Mixed country business, to take charge for a time. Give full particulars as to age, salary required, etc. (in first instance), to T. C. Jones, Chemist, Connah's Quay.

**WANTED, a qualified Manager** for a Branch business, good-class Dispensing and Family trade, in a busy thoroughfare of a leading Lancashire town. Apply, "Alpha," c/o Evans Sons Lecher & Webb, Ltd., 56 Hanover Street, Liverpool.

**WANTED, by important Chemist** of a principal town in Natal, South Africa, a qualified (Minor or Major) Assistant; aged 23-30; tall, smart, and of good appearance; must have had high-class experience and a knowledge of the Photographic trade; salary (outdoors) first year £15 monthly, second year £16, third year £17; 3 years' agreement; passage paid. Apply, stating age and height, together with experience, to "J. O. H.," c/o C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, Great Eastern Street, London, E.C.

**WANTED, a qualified Senior Assistant**; one accustomed to high-class Dispensing business; to live on premises; married, without family preferred; age about 30. Send full particulars, qualifications, experience, when disengaged, also enclose photo, to "P.," c/o Maw, Son & Sons, 7-12 Aldersgate Street, E.C.



**WANTED**, a capable, qualified Manager for good-class Drug-stores; good salary and commission; preference given to one who could invest £300 to £500, well secured and interest assured. Address, first instance, J. Elliott Thorpe, F.C.R.A., 45 Chancery Lane, W.C. Telephone 3600 Central.

**WANTED**, immediately, a qualified Assistant, not over 35; must be well recommended, have a gentlemanly appearance and address, and be a good Salesman. Applications (personal preferred) must contain full particulars as to age; height, experience, references, recent photo, and salary required (outdoors), Parson C. Baker, 174 Victoria Street, S.W.

**WANTED**, unqualified Assistant; good Dispenser; sound knowledge of Photography and Agricultural; full particulars and photo. Apply, F. D. Spencer, Stratford-on-Avon.

## WHOLESALE.

**A** LEADING London Optical house have a vacancy for a Show-room Salesman; he would eventually be expected to take the post as Traveller either at home or abroad; previous Wholesale experience preferred, but not indispensable; S.M.C. qualification desirable; liberal terms would be made with a gentleman of undoubted good character and address; communications will be received in strict confidence, and applicants must state full particulars of their present position, age, and wages expected. Apply, "Enterprise" (134/59), Office of this Paper.

**A** YOUTH with some experience in a Chemical Warehouse. Apply, "H. M. R." (167/36), Office of this Paper.

**C** LERK, experienced in Wholesale Drug trade, wanted at once. Apply, 64 Park Street, Southwark, S.E.

**C** LERK, with good experience. Apply, by letter, The British Drug Houses, Ltd., Barron, Harveys & Co. Branch, Giltspur Street, E.C.

**F**IRST-CLASS Representative wanted for extra Line for North Wales, Scotland, and Newcastle district. Reply, "X. X." (109/34), Office of this Paper.

**L**ABORATORY.—Young man used to the work of a Wholesale Druggist's Galenical Laboratory. Apply, by letter, stating salary, to "Z. A.," o/o Street's, 30 Cornhill, E.C.

**M**ESSRS. JOHN RICHARDSON & CO., LEICESTER, LTD., will shortly require the services of a Representative for the South and West of England; liberal salary and expenses offered to one able to infuse business with the Medical profession. Will applicants please give fullest particulars of their qualifications for the post?

**P**ACKER wanted, experienced in packing bottles and general Sundries. Apply personally, bringing testimonials or references, Henderson Bros., 6 Compton Terrace, Upper Street, N.

**R**EPRESENTATIVE required by London Druggists' Sundries house for country journey; established connection; experience and thorough knowledge of the Sundry trade essential; only applications giving full particulars of previous engagements, etc., considered. 116/31, Office of this Paper.

**R**EPRESENTATIVE required by Wholesale house; only those with first-class connection among Medical men in the West of England need reply. State full particulars and salary required, 116/24, Office of this Paper.

**W**ANTED, Junior Assistant for Druggists' Sundries warehouse; must be smart and energetic. Apply, "B. B." (162/47), Office of this Paper.

**W**ANTED, by a very old-established house, a smart Salesman, who is already calling on Chemists, to take up and push as a Side-line the sale of a first-class Household Remedy for all Aches and Pains; extensive advertising scheme to commence immediately to support his efforts; good remuneration to really good man. Apply, enclosing photograph and all necessary information, to "Chemicus" (157/60), Office of this Paper.

## APPRENTICESHIPS.

**C**HEMIST desires to apprentice his son in good-class business under supervision of principal where business would be thoroughly taught; indoors; aged 17; tall; passed Preliminary equivalent. Jackson, Chemist, Ipswich.

**L**ADY Apprentice wanted; Chemist in provincial town, bringing his daughter up to the business, would like to meet with another young lady to work with her. Full particulars from "Oxygen" (115/03), Office of this Paper.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

### RETAIL.

**W**INDOW-DRESSING Up-to-date.—Moderate charges. Pierce, 10 Lunham Road, Upper Norwood, S.E.

**U**NQUALIFIED; 23; tall; 6½ years' experience; disengaged. 117/5, Office of this Paper.

**P**ART TIME; qualified; accustomed to take charge; 24. Clement, 83 Clapham Road, S.W.

**M**ANAGER, Locum; qualified; good experience town and country. 1 Byne Road, Sydenham.

**P**ART-TIME; mornings preferred, whole Saturdays; not a student. "Chem." 35 Market Street, W.

**Q**UALIFIED; 23; tall; nearly 7 years' experience. "Statim," 43 Times Avenue, New Southgate.

**Q**UALIFIED; tall; well experienced; active Counterman; country. "Chemicus," 49a Goldhawk Road, W.

**A**SSISTANT or Part-time; 24; 8 years'; outdoors. "Abstainer," 84 Astonville Street, Southfields, S.W.

**L**OCUM or Branch Manager; qualified; disengaged; experienced. "Alpha," 76 Crown Road, Twickenham.

**D**ISPENSING, Counter; smart; unqualified; 27; excellent references. "W.," 29 Royston Road, Penge.

**O**UTDOORS; experienced Assistant; unqualified; disengaged. "Statim," 129 Russell Avenue, Wood Green.

**P**ART-TIME berth in London Dispensing business desired by Junior; 23; tall. Smith, 29 Nelson Square, S.E.

**D**ISPENSING or Counter; 35; Minor; London experience; outdoors. Page, 76 Beekton Road, Canning Town, E.

**G**OOD Salesman, Prescriber; energetic; 15 years' London experience. "Chemist," 111 Elmhurst Mansions, Clapham.

**A**SSISTANT; West-end and Store experience; outdoors; or Dispenser; town. "H. G.," 6 Willow Avenue, Barnes, S.W.

**Q**UALIFIED; 24; good experience; Eastern Counties preferred; disengaged second week in February. 117/35, Office of this Paper.

**B**RANCH Manager; qualified; single; tall; good references; disengaged shortly; Photography. "E.," 372 London Road, Thornton Heath.

**Q**UALIFIED; 29; experienced all branches; thoroughly capable; abstainer. "Chemicus," West Lea, Dartmouth Park Avenue, Highgate, London.

**U**NQUALIFIED; 6 years present berth; aged 23; good experience window-dresser and counter; good references. "Bodie," 390 Coldharbour Lane, Brixton.

**Y**OUNG lady desires appointment with Chemist; 4½ years' experience; Counter and Dispensing; London preferred. "M. T.," 281 High Street, Lewisham, S.E.



# SITUATIONS WANTED *continued*

**JUNIOR**; whole or part time. Arthur, 6 Barnby Street, Amptill Square, N.W.

**LADY Dispenser**; qualified; Locum; now disengaged. "L., 76 Bedford Road, Ilford, Essex.

**QUALIFIED Junior** desires situation in North; varied experience. Yager, Consett, Co. Durham.

**QUALIFIED**; 23; outdoors; London preferred; good reference. Foster, Eastfield, Cranswick, Beverley, Yorks.

**CHEMIST**; qualified; elderly; good Prescriber; Leeds district preferred. Allatt, 19 Hereford Road, Harrogate.

**ASSISTANT**; disengaged; outdoors; experienced; moderate salary. Browne, 23 Alfred Street, Bow, London, E.

**UNQUALIFIED**; 29; Dispensing and Counter, Photography; high-class Store trade. 111/25, Office of this Paper.

**ASSISTANT**, Managing Assistant, Locum; good experiences; references. "Qualified," 23 Wood Lane, Shepherd's Bush.

**LOCUM or Manager**; 11 years' London and provincial experience; excellent references. B. Farrer, 348 Gloucester Road, Bristol.

**ASSISTANT**; 24; unqualified; 9 years' all-round experience; Sight-testing; tall; good Counterman; energetic and cheerful worker; undeniable references. 62 Mortlake Road, Ilford.

**ASSISTANT**; 26; unqualified; London and provincial Store experience; excellent references. Bradbury, Earnt Green, Birmingham.

**ASSISTANT**; 30; good all-round experience; Prescriber, Extractor, and Agricultural requirements. "Statim," 5 Union Road, Cowes.

**ASSISTANT**; tall; 21; excellent all-round experience; best references; London or suburbs; disengaged. Turner, 6 Kerrison Villas, Ealing, W.

**DISPENSER** to Doctor or Wholesale; experienced in both; S.E. or W. preferred; disengaged January 14. "R. H. M." (105/13), Office of this Paper.

**LOCUM or Part-time**; unqualified; good Dispensing, Photography; now disengaged; London preferred. Rock, 13 Atherfold Road, Clapham Road, S.W.

**QUALIFIED Chemist**, 14 years in London and provinces, desires practical experience in Dentistry. E. Gittins, Town House, Madeley, Staffordshire.

**L.P.S.I.**, disengaged, seeks situation; Manager or Locum; sound Veterinary experience; highest references. 103/39, Office of this Paper.

**MANAGER**; qualified; 31; 6 years' first-class West-end experience; married; highest references. "Chemist," 17 Kenmont Terrace, College Park, N.W.

**QUALIFIED Dispenser and Bookkeeper**; lady; disengaged; hospital and surgery experience; good testimonials. "M. H.," 4 Edith Villas, West Kensington.

**ASSISTANT (22)**, with high-class Dispensing and Photographic experience; good Counterman; part time or full; near schools preferred. Cornish, 57 Railway Street, Southport.

**CHEMIST-OPTICIAN**, qualified F.S.M.C., Photography, tall (28), London and Provincial experience, desires Managership, or with view to succession. Apply, 110/40, Office of this Paper.

**ASSISTANT**; 29; unqualified; single; Prescriber, Dispenser, Extractor, Counterman; Photography; tactful, business-like; not afraid of work. McHardy, 27 York Place, Aberdeen.

**QUALIFIED**; Scotsman; 26; abstainer; London experience; Dispensing, Photography; outdoors; Midlands or Northern Counties preferred. Full particulars, 112/2, Office of this Paper.

**UNQUALIFIED**; aged 30; good Counter, Dispensing, and Photographic; capable of management; abstainer; would entertain Locum work; disengaged. "E.," 18 Sainfoin Road, Balham, S.W.

**MANAGER**; qualified; Dispensing, Photography, Prescribing, Counter; London and Coast experience; last permanency 3 years; 30; abstainer; single; just disengaged. "M.P.S.," 195 Kettering Road, Northampton.

**SMART**, obliging, qualified man, married, aged 29, abstainer, 13 years' experience, excellent references, not afraid of work, desires permanency by end of January or beginning of February: "Statim," 7 Milton Place, Halifax.

**JUNIOR**; 21; Dispensing, Photography; time for study. Ree, 21 Woolwich Common, S.E.

**OPTICAL** experience wanted; teetotaler; 5 ft. 9 in.; Minor, F.S.M.C. 12 Logan Road, Bristol.

**MANAGING Assistant**, qualified, with view to succession. 87 Lower Bank Road, Fulwood, Preston.

**OUTDOOR**; good references; unqualified; experienced. De Saulles, 11 Whitburn Road, Lewisham, S.E.

**JUNIOR or Improver**; tall; aged 20; good Counter experience. S. Daykin, Market Street, Dalton-in-Furness.

**PART-TIME**, evenings, Sundays; experienced; qualified. "Pharmacist," 31 Atherfold Road, Clapham, S.W.

**LADY Dispenser**; qualified; experienced; Locum or permanent. Miss Kemp, Walton, Wellington, Shropshire.

**BIRMINGHAM**.—Unqualified; all-round experience; aged 31; married. H. J. Cope, 482 Stratford Road, Sparkhill.

**QUALIFIED Manager**; exceptional experience; temporary or permanent; terms moderate. "G. P.," 81 Ledbury Road, W.

**BRANCH Manager or Assistant**; 28; unqualified; good Salesman; good experience. "Extractor," 56a Heaton Road, Tooting, S.W.

**ABSTAINER**; unqualified; 21; Counter, Dispensing, Photography. passed Prelim. Hopkins, 55 High Street, Leighton Buzzard.

**JUNIOR**; unqualified; nearly 5 years' experience in good-class business; highest references; abstainer. Bryant, Cumberland House, Old Steine, Brighton.

**QUALIFIED**; 24; high-class Dispensing and Retail experience, including Photography; excellent references. J. A. Sherwin, 1 Gladstone Street, Scarborough.

**ASSISTANT**; unqualified; 22; 5 years' experience; outdoors; good references; Photography. Apply, Willoughby, 9 Springbank, Blaenau Gwent, Abertillery, Mon.

**UNQUALIFIED**; tall; 25; best references; good Dispensing experience; Lancashire or Yorkshire by preference. Smith, 134 Seabank Road, Liscard, Cheshire.

**JUNIOR**; just completed 4 years' apprenticeship in good-class Dispensing, Photography, and General Retail business; excellent reference. Smith, 70 High Street, Stamford.

**ENERGETIC** and reliable business man, thoroughly well up and well recommended, can increase returns; whole or part time; unqualified; disengaged. "E. F.," 34 Goodge Street, W.

**WANTED**, situation as Branch Manager, Assistant, or Dispenser; qualified; good varied experience; salary not so much an object as the securing of a suitable berth. "Chemist," Cernarth, Carmarthen.

**ENGAGEMENT** wanted by married, unregistered man, aged 31, whose unique experience and general behaviour places him ahead of the usual; manage or help; anywhere. 108/30, Office of this Paper.

**MANAGER**, or Assistant with view to Partnership; 30; married; 14 years' London and provincial experience; Extraction, Photography; abstainer; good address; satisfactory references. 105/16, Office of this Paper.

**COMPETENT Assistant**; unqualified; 27; single; abstainer; best experience (London and health resorts); smart Dispenser, Window-dresser, Photography. "H. A. N.," 3 Norman Road, St. Leonards-on-Sea.

**ENERGETIC**, qualified Chemist and Dispenser, A.H. (38), seeks responsible position; Prescribe, Extract; first-class Salesman; height 6 ft.; married; highest reference from present employer. 109/36, Office of this Paper.

**MANAGER** or responsible position; qualified; aged 40; outdoors preferred; excellent experience and references; good appearance and address; disengaged; height 5 ft. 10 in.; as Locum entertained. Longman, 81 Claude Road, Cardiff.



**Q**UALIFIED; 25; good all-round experience. Address 112/38, Office of this Paper.

**S**TUDENT seeks evening work; well recommended. Please reply 113/5, Office of this Paper.

**A**SSISTANT; part or whole time; unqualified; disengaged end of January. "Chemicus," 165 Beckenham Road, Penge.

**J**UNIOR requires situation; aged 21; good references; abstainer. Cummings, 1 Stanley Place, Leeds.

**P**ART-TIME for a few evenings weekly; experienced; qualified. "Veroal," 41 Fletching Road, Clapton, N.E.

**M**ANAGER; qualified; married; aged 30; permanency; reliable; abstainer. 115/15, Office of this Paper.

**I**MPROVER; aged 21; passed Prelim.; 3 years' experience; small salary; outdoors. 115/16, Office of this Paper.

**A**S Manager; 27; tall; qualified; best West-End Retail and Dispensing experience. 113/8, Office of this Paper.

**E**XPERIENCED Manager or Locum; outdoors; permanency preferred. "Qualified," 13 Trafalgar Square, Chelsea.

**Q**UALIFIED; 26; good all-round experience and references; capable. "Reliance" (113/39), Office of this Paper.

**Q**UALIFIED; 30; high-class Dispensing and Retail experience; good references; disengaged. Manning, Fairford, Glos.

**R**ELIABLE, unqualified Assistant; 27; 10 years' good experience; outdoors preferred. "Aspirin" (114/12), Office of this Paper.

**A**SSISTANT; competent; varied experience; good references; disengaged. Fawcett, "Blencogo," Dinarth Road, Colwyn Bay.

**M**ANAGER; qualified; experienced; Optics, Prescriber; good reference; London or near. "Disengaged" (112/39), Office of this Paper.

**A**DVERTISER seeks post; good Stockkeeper; slight knowledge Dispensing; 14s., or board and 2s. 6d. "H. D." (114/14), Office of this Paper.

**P**ERMANENCY or Locum or any place of trust; long experience in all classes of drug trade; aged. "Active," 242 Welholme Road, Grimsby.

**Q**UALIFIED; 29; tall; abstainer; good experience; permanency preferred; Locum work entertained. "Salophen" (116/29), Office of this Paper.

**D**ISPENSER (male), Hospital, Doctor, or Retail; good experience in all three; excellent references; London preferred. "J., " 96 Albany Street, Regent's Park, N.W.

**I**MPROVER or Junior; 21; good references; with time for study; in or out doors; London preferred; moderate salary; 5 years' experience. 114/22, Office of this Paper.

**M**ANAGER or Assistant; good Counterman, Prescriber; knowledge Photography; 18 years' good all-round experience. "B., " 28 Downhills Park Road, Tottenham.

**Q**UALIFIED; Manager or Senior Assistant; 31; disengaged; Prescriber, Extractor, and Photography; good references; Midlands or South preferred. 116/37, Office of this Paper.

**G**ENTLEMAN with small income, unqualified, seeks position as Dispenser or Assistant; good experience and reference; salary no object. "X. Y. Z." (115/4), Office of this Paper.

**U**NQUALIFIED; 28; married; 11 years' first-class experience, Dispensing, Counter, Photography; excellent references; permanency. "F. H., " 32A Little Ealing Lane, South Ealing, W.

**U**NQUALIFIED; 24; manage proprietaries department, assist in general wholesale, or other position; capable controller and careful worker; all-round experience; good references; disengaged shortly. Apply, 112/36, Office of this Paper.

**37** Assistant or Management, where qualification is not essential; competent, industrious; trustworthy; salary not so much an object as comfortable berth; permanency desirable; disengaged. "Reliable" (113/20), Office of this Paper.

**A** REGISTERED Chemist, middle-age, married (no family), desires engagement, temporary, permanent, or as Manager of Branch; London or suburbs; active, willing, and abstainer; salary moderate. "J. H., " 13 Kellott Road, Brixton.

**J**UNIOR; 20; Dispensing and Retail; outdoor preferred. Aldrich, 2 Brunswick Terrace, Cambridge.

**J**UNIOR or Improver; aged 19; tall; 4 years' apprenticeship; now disengaged. H. J. Clark, Sidmouth.

**A**S Assistant; Family business; Manchester district preferred. "J. A., " 6 Orchard Street, Preston.

**L**OCUM or Part-time; qualified; abstainer; active; disengaged. "Borax," 535 Holloway Road, N.

**J**UNIOR requires situation; Birmingham district preferred. "C., " 94 Regent Street, Smethwick.

**L**OCUM; qualified; excellent references; disengaged. "Caius," 21A Castletown Road, West Kensington.

**M**ANAGER; 40; qualified; energetic; Prescriber; Mixed business. Swift, 38 St. John's Road, Lowestoft.

**Q**UALIFIED; F.S.M.C.; 25; outdoors; London or suburbs. Marshall, 75 Priory Park Road, Kilburn, N.W.

**A**SSISTANT or Manager; experienced; Photographio; highest references. "M.P.S., " "Caldera," Parkstone.

**L**ONDON.-22; abstainer; good experience; studying; disengaged. Albert Mills, "Ashton House," Bath.

**J**UNIOR; unqualified; in good-class business; London preferred; good references. 5 Hamilton Terrace, Leeds.

**Q**UALIFIED, middle-aged, as Locum; half-day, day, etc.; varied experience. "G., " 9 Wanstead Park Road, Ilford.

**U**NQUALIFIED; tall; 27; excellent references; disengaged. Haworth, 70 Upper Stanhope Street, Liverpool.

**I**MPROVER disengaged; Extractor; permanency if possible. "Phenacetin," 9 Otley Road, Victoria Docks, London, E.

**D**ISPENSER to Doctor and Bookkeeper; excellent references; disengaged; London. "S. S., " 175 Kennington Road, S.E.

**U**NQUALIFIED; 30; good Dispensing, Counter, and Photographio experience. Keats, 10 Prideaux Road, Clapham Road, S.W.

**U**NQUALIFIED; 23; over 7 years' all-round experience; outdoors; now disengaged. "R., " School House, Alfreton, Derbyshire.

**A**SSISTANT; 27; first-class Retail and Dispensing, Photographio, Extractor; highest references. "Statim," 57 Beaconsfield Villas, Brighton.

**B**RANCH Manager or outdoor Assistant; 34; Extractor, Prescriber; London and provincial experience. Thomas, Belle Vue Terrace, Aberayron.

**Y**OUNG lady desires situation; used to Counter work; good experience; occasionally had sole charge; Yorkshire preferred. "E. S., " 66 Clarence Street, York.

**U**NQUALIFIED; disengaged; 22; 6 years' experience; good Dispenser; highest references; large town preferred. Moore, c/o Miss Oddy, Heather Bank, Yeadon, Leeds.

**M**INOR Student requires Evening or Part-time employment; near Clapham preferred; energetic, tall; 9 years' experience; references. Farmer, 25 Albert Square, Clapham.

**Q**UALIFIED (26), first-class Dispensing, Retail, Photographio experience, desires temporary engagement for about 3 months; Locum entertained. Lewis, Ardwyn, Fishguard.

**L**OCUM or Manager; abstainer; Extractor, Prescriber; Photography; 29; single; good all-round experience; highest references. Bennett, Queen's Terrace, Burslem, Staffs.

**J**UNIOR, 4 years' all-round experience, disengaged, tall, abstainer, energetic, willing, competent Dispenser, requires situation in good Pharmacy. Gordon-Mills, "Ashton House," Bath.

**A**SSISTANT (35), unqualified, married, good Dispenser, Counterman, Extractor, Photography, desires permanency; satisfactory references. Little, 2 Moorland Place, Low Moor, near Bradford.

**U**NQUALIFIED Assistant; 24; tall; Dispenser, Counterman, Window-dresser; Photography; 7 years' excellent experience; permanency preferred. W. Johnson, Mill House, Aughton, Ormskirk.

**S**ENIOR or Manager; qualified; good Dispenser, Prescriber, and Salesman; exceptional Photographio knowledge; experienced; reliable; disengaged; excellent references. Howard, 1 Park Terrace, Cambridge.



# SITUATIONS WANTED *(continued).*

## WHOLESALE.

**G**ENTLEMAN (young) seeks position in Wholesale house; would travel. 116/36, Office of this Paper.

**T**RAVELLER; suburban connection; good salesman; highest references. "X," 4 Birdhurst Road, Croydon.

**P**ACKER; aged 28; Patents, Sundries; 5 years' reference. "W. J.," 16 Runham Street, Walworth, S.E.

**T**RAVELLER; young; good address; London and suburbs; easy terms; highest references. 117/11, Office of this Paper.

**T**RAVELLER; 28; experienced; best references: Drugs or Sundries; commission or salary. 113/32, Office of this Paper.

**S**ITUATION required; 6 years' first-class City Wholesale, also Retail experience; aged 30. 113/2, Office of this Paper.

**G**ENTLEMAN, experienced London Traveller, will be pleased to negotiate on commission basis. 110/12, Office of this Paper.

**A**GENCY.—One required in conjunction with other; part expenses and commission. "Traveller," 111 Elmhurst Mansions, Clapham.

**A**DVERTISER (26) requires situation as Tablet Maker; well up in all kinds of Granulating, etc.; good references. 112/30, Office of this Paper.

**A**DVERTISER, 4 years Lennon's, Cape Town, as checker, sole charge packing room, seeks similar or other employment. 114/16, Office of this Paper.

**A**DVERTISERS, with extensive connection among Wholesale and Retail, are open to take up a sound new line on commission. 111/22, Office of this Paper.

**P**ACKER (24) seeks situation, Parcel and Case; 5 years' experience in Perfumery packing; good reference. "W. S.," 14 Ablett Street, Rotherhithe.

**T**RAVELLER or position of trust; Wholesale and Retail experience; excellent references; 5 years with present firm. "Codex," 10 Manor Road, Hoylake, Cheshire.

**T**OILETS, Packed Goods; open up or manage; good knowledge of Manufacturing Toilets; 10 years' successful experience. "B. A.," 113/15, Office of this Paper.

**25**; 8 years' experience; accustomed to manufacturing Galenicals; office routine, some Analysis, control; disengaged shortly; good references. Shapcott, 30 Friezewood Road, Bristol.

**R**EPRESENTATION of house of repute is desired by Minor man of good address; very tall; 12 years' travelling experience supplemented by a sound knowledge of the trade. 110/1, Office of this Paper.

**Y**OUNG man (22), disengaged, requires situation; indoors; 7 years' experience with chemical merchants; bookkeeping and general office work; also travelled; first-class references. 117/4, Office of this Paper.

**A**DVERTISER, representing two well-known houses (Drugs and Optical) for India, would like to hear of another house desiring representing Photography, Perfumes, or any lines that would not clash. 114/39, Office of this Paper.

**T**RAVELLER, with very valuable wide connection in England and Scotland, seeks re-engagement in special lines, Pioneering, Sundries, or Perfumery; good references; practical knowledge of the trade. "Bradford" (115/2), Office of this Paper.

**I**T is curious but true; I cannot get into touch with a firm who wants a smart young qualified man of proved ability, with good experience and record. State nature of duties and information will be sent referring to past experience on same. "Quest" (114/9, Office of this Paper.

**G**ENTLEMAN, well known to all Chemists and Druggists throughout Switzerland, is open to Represent an English house desirous of pushing its manufacture; has every facility in knowledge of trade, command of languages, etc.; will be in London January 11 until January 15. Apply, by letter, to "R." (165/55), Office of this Paper.

**Y**OUNG gentleman (25), well educated, very commanding personality, requires post as Representative with good house; any district (Lancashire, Cheshire, or North Wales preferred); 4 years Cashier last situation; firm given up; excellent references; fluent conversationalist; persistent and patient. "Earnest Inquiry" (111/14), Office of this Paper.

## MISCELLANEOUS.

**M**CADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81 Lee Green.

**SHARES FOR SALE** (free of commission, subject).—100 Brunner Mond 98s. 9d., 10 Evans Lescher Prefs. 5l. 2s. 3d., 10 Meggeson Prefs. 92s., 200 Darracq Motor 10 per cent. Preferred Ordinary 16s. 3d. (dividend on the Ordinary last year 20 per cent.), 200 Idris "A" 6 per cent. Prefs. 10s. 6d., 100 Mazawattee Ordinary 4s. 1½d.

**WANTED** (subject).—Four Camwal Debentures, £34 each.

List of shares for sale and wanted sent free on application. Bankers, London and County. Established 1898.

**C**HEMISTS' FITTINGS (Second-hand).—12-ft. drug-fitting, 60 mahogany-fronted drawers, bevelled glass labels, glass knobs, lockers, bottle-shelving, cornice, 6-ft. dispensing-screen and counter, glass-fronted serving counter, counter-drawers, perfumery-case and desk; the lot £43 10s.; bargain: all in high-class condition; cheapest house in the trade for shop-fronts, alterations, window-enclosures, estimates free. H. Mills, up-to-date Chemists' Shop-fitter, Shop-front Builder, Steam Works, 163 and 165 Old Street, London, E.C.

**V**ERY FINE SET OF MAHOGANY SHOPFITTINGS.—As good as new and ready for immediate despatch: 16-ft. drug-fitting, mirror centre, pilasters with carved trusses and span rails, poison cupboard, etc.; 17-ft. mahogany serving-counter, glass cases in front and drawers behind; 6-ft. bent plate-glass counter-case; perfume case and desk; tower case, 3 ft. high by 2 ft. square; 10-ft. mahogany wallcase; handsome screen, with centre mirror down to ground and cases either side, with mirror backs and glass shelves; 75 guineas complete. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, Goswell Road, London, E.C.

**I**NCREASE YOUR BUSINESS.—The new monthly "BUSINESS BUILDING." The retailers' help in all advertising matters. Specimen copy post free. Full of hints and suggestions; special articles on preparation of handbills, etc. Free Block to new subscribers. Annual subscription, 2s. 6d. post free. B. Whitworth Hird, Ltd., 1 Southampton Row, London, W.C.

**C**HEMISTS' SHOP-FITTINGS (SECOND-HAND).—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free. MATTHEWS, CHEMISTS' FITTER, 14 and 16 MANCHESTER STREET, LIVERPOOL.

**Y**OUNG Chemist (aged 30), with £200 cash, is desirous of communicating with Wholesale house willing to advance him balance of capital to purchase first-class Chemist's business; 5 per cent. interest given; highest references, both personal and business. Letters (strictly confidential) to be addressed to "Semper Fidelis" (111/5), Office of this Paper.

**T**O Apprentices, Juniors, etc.—Mr. Charles Harker's simple and rapid system of postal tuition for the Pharmaceutical Preliminary is the least expensive and most thorough; numerous successes in three months; Latin, French, and Mathematics mastered with greatest facility; special attention given to those of neglected education; 76 per cent. recent successes. Write at once, Charles Harker, 239 Chapter Road, Cricklewood, London, N.W.



**THIS IS YOUR CHANCE.**—We have just cleared the complete set of Fittings of a Pharmacy 18 ft. by 14 ft.; all are splendidly made and in first-class condition. Write for particulars, or call and inspect; going cheap. RUDDUCK & CO., 262 OLD STREET, E.C.

## NEW YEAR RESOLUTIONS.

SUPPOSE I GIVE YOU SOME OF MINE.

1. To try to help my old clients and 153 more clients (shall you be one?) to increase their net profit at least £50 this year.
2. To continue to increase the value of my methods, weeding out any slight imperfections.
3. To do all such things as will increase my value to my clients. Ask for free booklet, "Door to Success," and read Diary Advt., page 94.

**BERNARD SLACK, Princes Chambers, WOLVERHAMPTON.**

**POISONS AND PHARMACY ACT, 1908.**—Large Card to hang in Pharmacy, showing at a glance the preparations which come in each part of the new Schedule, and other new conditions affecting Pharmacists; post free 6d. (First Edition exhausted, Second now ready). Evans, Gadd & Co., Ltd., Bristol and Exeter.

## Chemists' Printing.

We are specialists in Chemists' Printing, and can offer you the best and most attractive work. The foremost Chemists are our constant customers; can we serve you? Write for samples of Leaflets, Circulars, Booklets, &c., and quotations for your work.

**JONES & ADNITT, The Chemists' Printers,**  
HEREFORD. Telephone: Nat. 129.

# Exchange Column—Bargains.

## TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No Advertisement inserted for less than 6d.

## FOR DISPOSAL.

### APPARATUS.

TO Embrocation or Emulsion Makers.—Hathaway's patent churn, holds 36 gals., equal to new; cost £5 10s.; will sacrifice for 50s.  
Tom Brooks, Chemist, Hornsey, N.

### BOOKS AND PERIODICALS.

SQUIRE'S "Companion," 16th edition; 5s. 6d. post free. ADAMS, Chemist, Mansfield.

ANDREW WILSON'S "Modern Physician," 5 volumes, latest edition, published at 35s. net; "Proceedings of the Chemical Society," 1908; both unsoiled; exchange cash, microscope, balance, platinum, anything useful. Apply, HOMELEIGH, Barratt Street, Southampton.

WHAT offers?—Chemistry: Wills, Newth, Perkin and Kipping; Lowson's "Botany," Muter's "Analysis," Wills' "Elements of Pharmacy," "Volumetric," "Præscripta"; Southall's "Materia Medica"; all in good condition. W. BERRY, 15 Peel Street, Willenhall, Staffs.

### DENTAL.

DENTAL chair, in good condition; to be seen in Croydon. The Pharmacy, Tadworth, Croydon.

### FORMULÆ.

RECIPE for sale.—Cheap sauce; 4d. gal. FRANCE, 42 Vartry Road, London.

PILES.—A certain cure; formula 2s. Address, "LATOS" (107/32), Office of this Paper.

FORMULÆ for Sale; boot polishes, inks, and dressings; original, not book formulæ. W. HAMILTON, 97 Clarence Avenue, Northampton.

BROOKS'S Special Recipes.—"Golden Tonic," nerve-bracing, invigorating; "Embrolin," cures rheumatism, kills pain; "Maltasine," good family cough-cure; "Vicoma" concrete, certain hair-grower; "Cherry Foam," lovely foaming dentifrice; "Vir-ung," healing curative balsamic salve; "Wrinklewash," rapid action, unequalled; recipes 2s. 6d. each, 5 for 10s., samples 3d., all post free. Tom Brooks, Chemist, Hornsey, N.

MONEY-MAKING formulæ; 25 years in use; reliable, well tested, easily made, pay well; "Glycerin Cream," inseparable, skin beautifier, non-sticky, lovely odour; "Chilblain Remedy," instant ease, certain action, cleanly; "Bronchelixir," unequalled for all chest troubles, pleasant; "Gripe Syrup," better than any advertised, no poison, as sold by me for 20 years; "Tie Specific," cures after all others fail, instant relief; "Occasional pills" for ladies, very reliable, quite safe; "Ringworm Specific," cured under fortnight hundreds of cases, never fails. Recipes, with full instructions, 1s. each, 3 for 2s. 6d.; list free. Tom Brooks, Chemist, Hornsey, N.

## OPTICAL AND PHOTOGRAPHIC.

KODAK tank-developer, new; guinea hand camera, half-price. 132 Park Lane, Middlesbrough.

MICROSCOPE, by E. Leitz, Wetzlar; cost £6 10s. last September; what offers? LOVATT, Todmorden.

## SHARES.

SHARES for Sale. See p. 62.

## MISCELLANEOUS.

A FEW dozen syphons for sale; second-hand. "CHEMIST," 14 Crown Road, St. Margarets-on-Thames.

WATER-BED, 72 by 36 in.; quite new; not used a week; what offers? DOUTHWAITE, Felixstowe.

OFFERS wanted for 1 cwt. decort. liquorice root, 1 cwt. hops, 1 gross of second syphons and machine. Apply, 113/18, Office of this Paper.

## WANTED.

TWO large glass carboys. State price, delivered, to The Pharmacy, Tadworth, Surrey.

PATENTS.—Clean, quick sellers; good prices given. KING, 6 St. Paul's Road, Blackpool.

SCALES suitable for weighing babies. Send specification and lowest price to BARKER, Chemist, Devana Road, Leicester.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

SET of deal drawers, in good condition, for 12-ft. counter. State size and number of drawers, also height and price, LEWIS THOMPSON, Chemist, Dover.

FORMULA for disinfectant of sanitary fluid or creolin type. Send price, sample, and cost of production on small scale, to J. GOODWIN, 103 Conway Street, Birkenhead.

THOUSAND pounds of genuine lemon oil for cash, in original coppers of any size. State if new or old crop, brand, and price, submit sample of bulk, CLAYTON, 5 Concert Street, Liverpool.

## ADDRESSES WANTED.

HUDSON, WILLIAM, Chemist, Eastry, Dover, Kent, 1872; son inquires. 115/24, Office of this Paper.

MR. J. TURTON, late of Retford; an old friend would like to hear from him very much. "Genuine" (117/8), Office of this Paper.

ROBERTS (Erasmus Coryton), aged about 40, assistant or manager; last heard of Portsmouth; postage refunded. CHALLIS, Chemist, Southall.

ELLENGER, lately carrying on business as wholesale druggist sundrymen as "Ellenger & Burvil," 4 Balfour Road, Dover. Reply, PEARSON'S DRUG-STORES, Dover.



# THE STANDARD TABLET & PILL CO. HOVE

## REDUCTION IN PRICES.

### LITTLE LIVER PILLS.

Pink or White, Pearl or Sugar Coated.  
40 in finest quality Tube.



**1/2** per doz. for 12 doz.      6 doz. @ **1/4**  
3 doz. @ **1/6**



### BLAUD PILLS

REDUCED PRICES.

**2/9** per doz.

No extra charge for Carton.

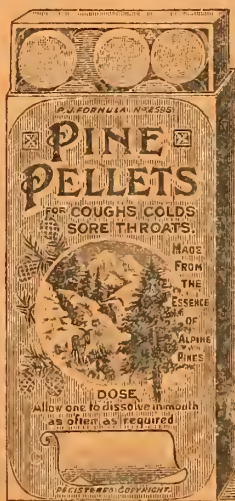
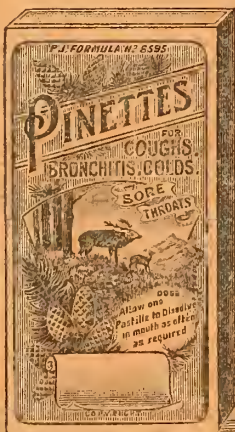
Gelatinoid, Pearl, Sugar Coated,  
Pink or White, Oval or Round.

In Flat or Round Amber Bottles.

### A NEW STYLE (No. 12)

White Glass direct square Bottle, in  
dark grey Carton, with Black & White  
engraved Label.

Price **2/9** per doz.



BEAUTIFULLY LABELLED IN COLOURS.

### COLD CURE TABLETS.



CHOCOLATE-COATED.

A very Effectual and safe formula.  
The Grecian Design Label as label attached  
we consider the smartest design.

25 Tablets in black imitation Calf Box, or  
30 Tablets in White Slide Box.

Numerous styles of labels for selection  
sent on request.

FORMULA.

Quin. Hydrobrom. gr.	Capsicum ... gr.
Antifebrin ... gr.	Camphor ... gr.
Ext. Cascara ... gr.	P. Ipecac. ... gr.

Per gross boxes ... **24/-**  
Name and Address Free on 3 dozen.



### FORMALIN TABLETS FOR THE THROAT.

A Popular Antiseptic Throat Lozenge  
for preventing infection from Diphtheria  
Measles, &c.

Also for the treatment of Quinsy  
Ulcerated Sore Throat, &c.

Very pleasant in flavour & quite harmless

In Amber Bottles of 50. Rose, Mint,  
and Menthol Flavour.

PRICE **6/-** per doz.

Retail Price, **1/6** per Bottle.  
CARRIAGE PAID.

Please specify Throat Tablets to dis-  
tinguish from Tablets for fumigating.

**"PINETTES"**  
OR

## PINE PELLETS

THE POPULAR

## Pine Cough Lozenge.

Slide Card Boxes of 50 ... per doz. **2/-**

Hinged Tin Boxes of 50 ... **3/-**

Hinged Tin Boxes of 100... **5/-**

Carriage paid. Name and Address on 3 dozen  
assorted or otherwise.



# **Value for Money**

IN CONNECTION WITH  
THE PURCHASE OF

# **Essential Oils.**

**W**E again direct the attention of all consumers of Essential Oils to the importance of the guarantee given in our Price List, as follows :—

## **PURE ESSENTIAL OILS.**

All Oils grouped under this heading are guaranteed to be absolutely pure, and are under the direct analytical control of Mr. E. J. PARRY, B.Sc., F.I.C., F.C.S. (Author of "The Chemistry of Essential Oils and Artificial Perfumes"), Thanet House, 56a Great Dover Street, London, S.E. Buyers are at liberty to send samples from our deliveries of any of these Oils to Mr. PARRY for analysis at our expense, and in case of dispute his analysis is to be binding on buyers and ourselves.

It is obvious that some sort of guarantee for buyers is necessary in view of the fact that Essential Oils are subjected to every conceivable form of adulteration, the sole object of which is to secure to the vendors an extra profit at the expense of the buyer. Highly-trained chemists now obtain remunerative employment in experimenting with a view to discovering chemical compounds which can be used as adulterants of Essential Oils. These adulterants cheapen the Oils, but do not interfere with the *usual* tests for purity, and therefore cannot be easily detected.

We shall be glad to give particulars of the adulterations we have recently met with to anyone interested, also to submit samples of any of our Pure Essential Oils for approval.

**STEVENSON & HOWELL, LTD.**  
**Southwark Street, London.**



# The Syphon Trade

(Says the "C. & D."  
of Dec. 26, 1908)

" . . . is in a critical condition  
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Wand Mfg. Co.  
Wright, Layman & Umney

**ELASTIC HOSIERY**  
Ayrton, Saunders & Co., Ltd.  
Berliner, Arthur  
Haywood, J. H.  
Jackson, Röhrs, & Co.  
Maw, S., Son & Sons  
Wood, Vincent

**ENEMAS**

Bailey, W. H., & Son  
Baird Bros.  
Burge, Warren & Ridgley  
Dyrol Rubber Co.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Toogood, W., Ltd.  
Warne, W., & Co., Ltd.

**EPSOM SALTS**

Howards & Sons, Ltd.

**ESSENCES, CONCRETE**

Lautier Fils  
Murray, O., & Co., Ltd.  
Roure-Bertrand fils

**ESSENCES, SOL. AND FRUIT**

Alliance Drug & Chem. Co.  
Baiss Bros. & Stevenson, Ltd.  
Barnett & Foster  
Bnsh, W. J., & Co., Ltd.  
Cresp-Martineq  
Evans Sons Lescher & Webb  
Hay, Wm., Ltd.  
London Essence Co.  
Lorimer & Co., Ltd.  
Newball & Mason  
Roure-Bertrand fils  
Spencer, J., Son & Co.  
Stevenson & Howell, Ltd.  
Whittaker, A.

**ETHERS**

Baiss Bros. & Stevenson, Ltd.  
Howards & Sons, Ltd.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Morson, T., & Son  
Smith, B. A., & Co.  
Tyrer, T., & Co., Ltd.  
White, A., & Sons

**ETHYL CHLORIDE**

Duncan, Flockhart & Co.

**EUCALYPTUS OIL**

Alliance Drug & Chem. Co.  
Baiss Bros. & Stevenson, Ltd.

**EXTRACT OF HERBS**

Newball & Mason  
Potter & Clarke

**EXTRACTS (MEDICINAL)**

Allen, Stafford, & Sons, Ltd.  
Chemists' Co-operative Wholesale  
Hewlett, C. J., & Son  
Pharmaceutische Handelsv.  
Ransom, W., & Son  
(See also WHOLESALE DRUGGISTS)

**FEEDING BOTTLES**

Breffit, E., & Co., Ltd.  
Fecher, M. J.  
Hovenden, R., & Sons, Ltd.  
Kilner Bros., Ltd.  
Maw, S., Son & Sons  
Reuter, R. J.  
Sangers

**FILLING MACHINES**

Roberts' Pat. Fill. Machine Co.

**FILTERS (WATER)**

Berkefeld Filter Co., Ltd.

**FLY CATCHERS**

Smith, J. H., & Co.

**FORMALDEHYDE**

Audesol Works  
Burt, Boulton & Haywood  
Tugwood & Wilton

**FULLER'S EARTH**

Mumford, G. S., & Sons

**FOODS, INFANTS'**

Allen & Hanburys, Ltd.  
Benger's Food, Ltd.  
Davy Hill & Hodgkinsons  
Frame Food Co., Ltd.  
Lofthouse & Saltmer  
Natural Food Co., Ltd.  
Willows, Francis B. & T.

**FOODS, SPECIAL**

Allen & Hanburys, Ltd.  
Benger's Food, Ltd.  
Brand & Co., Ltd.  
Callard & Co.  
Fairchild Bros. & Foster  
Frame Food Co., Ltd.  
International Plasmon, Ltd.  
Lemco, Ltd.  
Menley & James, Ltd.  
Wander, A.

**FUMIGATORS**

Sanitas Co., Ltd.

**GELATIN AND GLUE**

Boehm, F., Ltd.

**GLAUBER'S SALT**

Bramwell, E., & Son  
Howards & Sons, Ltd.  
Nichols Chemical Co., Ltd.

**GLYCERIN**

Alliance Drug & Chem. Co.  
Boehm, F., Ltd.  
Price's Patent Candle Co.

**GOLD PAINT**

Judson, D., & Son

**GRINDERS**

Allen, Stafford, & Sons, Ltd.  
Goodall, Backhouse & Co.  
Willows, Francis B. & T.

**GUMS**

Fink, F., & Co.

**HAIR PREPARATIONS**

Capsuloid Co., Ltd.  
Daisy, Ltd.  
Edwards "Harlene" Co.  
Harker, Stagg & Morgan  
J. S. W. Preparations, Ltd.  
"Nyto"  
Robare's Anreoline  
Rowland, A., & Sons  
Woolleys, Ltd.

**HAT CLEANERS**

Christy, T., & Co.

**HAT DYES**

Whittaker & Co.

**HERBS**

Potter & Clarke  
United Drug Co.

**HOMOEOPATHIC MEDICINES**

Ashton & Parsons, Ltd.  
Epps, J., & Co., Ltd.  
Keene & Ashwell, Ltd.  
Leath & Ross

**HOT-WATER BOTTLES**

Berliner, Arthur  
Burge, Warren & Ridgley  
Dunlop Rubber Co., Ltd.  
Fulham Pottery & Cheavin  
Filter Co., Ltd.  
Maw, S., Son & Sons  
Southall Bros. & Barolay  
Wood, Vincent

**HOTES**

Edmond Hotel  
Kingsley Hotel  
Thackeray Hotel

**HYDROGEN PEROXIDE**

May & Baker, Ltd.  
Sanitas Co., Ltd.

Tyrer, T., & Co., Ltd.

**HYPOPHOSPHITES**

May & Baker, Ltd.

Merc, E.

Tyrer, T., & Co., Ltd.

**INHALERS**

Christy, T., & Co.  
Fecher, M. J.  
Sanitas Co., Ltd.

**INK**

Bewley & Draper, Ltd.  
Hickinson, A. B.

**INSECT POWDER**

Boehm, F., Ltd.  
Shirley Bros., Ltd.  
Smith, B. A., & Co.

**INSECTICIDES**

Corry & Co., Ltd.  
Francis, Son & Naylor  
Smith, B. A., & Co.  
Tomlinson & Hayward, Ltd.  
Woolleys, Ltd.

**IODINE AND IODIDES**

Atkinson, G., & Co.  
Howards & Sons, Ltd.  
Merc, E.  
Morson, T., & Son  
Whiffen, Thos.  
Wink, J. A., & Co.

**ITROSYL**

Fletcher, Fletcher & Co.

**JARS AND POTS**

Breffit, E., & Co., Ltd.  
Cook, A., & Co.  
Johnsen & Jorgensen, Ltd.  
Kilner Bros., Ltd.  
Maw, S., Son & Sons  
Poths, H., & Co.  
Reuter, R. J.  
Stipendium Stopper Co.  
Toogood, W., Ltd.

**LACTOBACIL EDUCTS**

Wilcox, Jozeau & Co.

**LANOLINE**

Burroughs Wellcome & Co.  
Christy, T., & Co.  
Sangers

**LANTERNS**

Butcher, W., & Sons

**LARD**

Chemists' Co-operative Wholesale  
Ewen, J., & Sons

**LEATHERS**

Solport Bros.

**LIME JUICE AND CORDIAL**

Evans Sons Lescher & Webb  
Goodall, Backhouse & Co.  
Idris & Co., Ltd.

**LINSEED, CRUSHED, ETC.**

Allen, Stafford, & Sons  
Alliance Drug & Chem. Co.  
Mumford, G. S., & Sons

**LIQUORICE JUICE**

Alliance Drug & Chem. Co.  
Barron, Harveys & Co.  
Boehm, F., Ltd.

Burgoyne, Burbidges & Co.

Hearon, Squire & Francis

Jackson, E. E.

Mumford, G. S., & Sons

**LIQUORS, CONC., ETC.**

Allen, Stafford, & Sons, Ltd.  
Fletcher, Fletcher & Co.  
Hewlett, C. J., & Son  
Robinson, B., & Co.

**LITHIA SALTS**

Davy Hill & Hodgkinsons  
May & Baker, Ltd.  
Merc, E.

**LOOFAHS**

Creswell Bros. & Schmitz

**LOZENGES**

Allen & Hanburys, Ltd.

Cox, A. H., & Co., Ltd.

Denoual, J., & Co.

Jackson, E. E.

Potter & Clarke

Raines & Co.

Shirley Bros., Ltd.

Warrick Bros.

**MACHINERY, PHARMACAL**

Allen & Hanburys, Ltd.  
Bennett, Sons & Shears, Ltd.  
Brown & Son  
Fecher, M. J.  
Gardner, Wm., & Sons, Ltd.  
"Hercules" Meat Juice Press  
Pindar, J. W., & Co.  
Roberts' Patent Filling Machine  
Co.

Smith, B. A., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

**MAGNESIA AND ITS SALTS**

Henry, T., & W.

Howards & Sons, Ltd.

May & Baker, Ltd.

Washington Chemical Co.

**MALT EXTRACT AND PREPS**

Allen & Hanburys, Ltd.

Blackie, R.

Burroughs Wellcome & Co.

Davy Hill & Hodgkinsons

Evans Sons Lescher & Webb

Hearon, Squire & Francis

Hewlett, C. J., & Son

Lorimer & Co., Ltd.

Oppenheimer, Son & Co., Ltd.

Paine & Co., Ltd.

Raines, Clark & Co., Ltd.

Southall Bros. & Barolay, Ltd.

Squire & Sons

Wright, Layman & Umney

**MARKING INK**

Hickinson, A. (Bond's)

**MEASURES**

Taylor, F. H., & Sons

**MEAT EXTRACT**

Armour & Co., Ltd.

Brand & Co., Ltd.

**MENTHOL CONES**

Maw, S., Son & Sons

Shirley Bros., Ltd.

**MEDICINE CHESTS**

Burroughs Wellcome & Co.  
Keene & Ashwell, Ltd.  
Leath & Ross  
Lloyd, T. Howard, & Co.  
Parke, Davis & Co.

**MERCURIALS**

Atkinson, G., & Co.  
Howards & Sons, Ltd.  
May & Baker, Ltd.  
Merck, E.  
Tyrer, T., & Co., Ltd.  
Whiffen, Thos.  
Wink, J. A., & Co.

**METHYLATED SPIRITS**

Burrough, J., Ltd.  
Preston's Liverpool Distillery  
Randall & Son, Ltd.

**MILK APPARATUS**

Hawksley, T.  
Zimmermann, C., & Co.

**MILK SUGAR**

Hollandsche M. S. Fabriek  
Zimmermann, C., & Co.

**MINERAL WATERS & SALTS**

Apollinaris Co., Ltd.  
Burrow, W. & J. (Malvern)  
Davy Hill & Hodgkinsons, Ltd.  
Findlater & Co.  
Hughes, E. Griffiths  
Ingram & Royle, Ltd.  
Parke, Davis & Co.  
Vitaregis Hygienic Co.

**NAPHTHAS**

Burt, Boulton & Haywood

**NEBULIZERS**

(See SPRAYS)

**OILS, ESSENTIAL**

Allen, Stafford, & Sons, Ltd.  
Alliance Drug & Chem. Co.

Atkinson, G., & Co.

Baiss Bros. & Stevenson

Bush, W. J., & Co., Ltd.

Chris, Antoine

Cresp-Martineq

Evans Sons Lescher & Webb

Goodall, Backhouse & Co.

Jackson, J., & Co.

Lautier Fils

Lescol Perfumery Co.

London Essence Co.

Ransom, W., & Son

Roure-Bertrand fils

Seymour, Joseph

Spencer, J., Son & Co.

Spurway et Cie.

Stevenson & Howell, Ltd.

Todd, A. M., Co.

Whiffen, Thos.

Whittaker, A.

Wink, J. A., & Co.

Wright, Layman & Umney

**OILS, FATTY, ETC.**

Allen, Stafford & Sons, Ltd.

Atkinson, G., & Co.

Cresp-Martineq

Lautier Fils

Price's Patent Candle Co.

Smith, B. A., & Co.

**OILS, MINERAL**

Price's Patent Candle Co.

Wright, Layman & Umney

**OINTMENTS**

Blackie, R.  
Chemists' Co-operative Wholesale  
Curling, G. Wyman, & Co.  
Duncan, Flockhart & Co.  
Kno-ska Co.  
Oldfield, Pattinson & Co.  
Sangers

**OPTICAL GOODS**

Anglo-American Optical Co.  
Botwright & Grey  
Darton, F., & Co.  
Druiff, S.  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Raphael's, Ltd.

**OPTICAL INSTRUCTION**

Anglo-American Optical Co.  
British Optical Institute  
Highbary New Park College  
Lionel Laurance

**PASTILLES**

Allen & Hanburys, Ltd.  
Asche, C. F., & Co.  
Baiss Bros. & Stevenson  
Burroughs Wellcome & Co.  
Denoual, J., & Co.  
Epps, J., & Co., Ltd.  
Evans Sons Lescher & Webb  
Wander, A.  
Warrick Bros.



**PACKED GOODS**  
(See WHOLESALE)**PALATINOLIDS**

Oppenheimer, Sons &amp; Co.

**PATENT AGENT**

Barker, R. W.

**PERFUME MATERIALS**

Bell, John, & Co.  
Buisson Frères, *see* Bush  
Bush, W. J., & Co., Ltd.  
Chiris, Antoine  
Compagnie Morana  
Cresp-Martineng  
Haliflor Co.  
Hall, B. P., & Co.  
Lautier Fils  
Murray, O., & Co., Ltd.  
Potter & Moore, *see* Bush  
Shipkoff & Co.  
Spencer, J., Son & Co.  
Spurway et Cie.  
Treatt, R. C., & Co.  
Zimmermann, C., & Co.

**PERFUMES**

Allen & Hanburys, Ltd.  
Barclay & Sons, Ltd.  
Barron, Harveys & Co.  
Bronnley, H., & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Charles, W. F.  
Christy, T., & Co.  
Chuit, Naef & Co.  
Cresp-Martineng  
Erasmo Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Haliflor Co.  
Hall, B. P., & Co.  
Hearon, Squire & Francis  
Hertz & Co.  
Hewlett, C. J., & Son  
Hovenden, R., & Sons, Ltd.  
Lescol Perfumery Co.  
London Essence Co.  
McCraeken, J. & R.  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Queloh, H. C., & Co.  
Reuter, R. J.  
Shirley Bros.  
Southall Bros. & Barclay  
Spencer, J., Son & Co.  
Spurway et Cie.  
To-Kalon Mfg. Co.  
Warriek Bros.  
West, T.

**PESSARIES**

Burge, Warren & Ridgley  
Rendell, W. J. (Quin.)

**PETROLEUM JELLY**  
Chesebrough Mfg. Co.**PHOTO. CHEMICALS**

Boehringer, C. F., & Soehne  
Burroughs Wellcome & Co.  
Loekyer, J. E.  
Merok, E.  
Tyrer, T., & Co., Ltd.

**PHOTO. GOODS**

Barclay & Sons, Ltd.  
Butcher, W., & Son, Ltd.  
Darton, F., & Co.  
Evans Sons Lescher & Webb  
Ilford, Ltd.  
Lennon, Ltd.  
May, Roberts & Co.  
Murdoch, John, & Co.  
Newbery, F., & Sons, Ltd.

**PHOTO. WORK**

Express Developing Co.

**PILL MAKERS**

Allen & Hanburys, Ltd.  
Ascho, C. F., & Co.  
Barron, Harveys & Co.  
Bishop, Alfred, Ltd.  
Cox, A. H., & Co., Ltd.  
Davies, Sons & Co.  
Davy Hill & Hodgkinsons  
Evans Sons Lescher & Webb, Ltd.  
Hearon, Squire & Francis  
Hewlett, C. J., & Son  
Lloyd, T. Howard, & Co.  
McKesson & Robbins  
Newbery, F., & Sons  
Parke, Davis & Co.  
Pill, Tablet, & Capsule Alliance  
Southall Bros. & Barclay  
Standard Tablet & Pill Co.  
Wand Mfg. Co.  
Warner, W. R., & Co.  
Woolley, J., Sons & Co., Ltd.  
Wright, Layman & Umney

**PLASTERS**

Alcock Mfg. Co.  
Berliner, Arthur  
Beiersdorf, P., & Co.  
Dalmás, A. de St., & Co.  
Leslies, Ltd.  
Maw, S., Son & Sons  
Solport Bros.

**POLISHES (VARIOUS)**

Bradley & Bourdas  
Kay Bros., Ltd.  
Oakley, J., & Son, Ltd.

**PRINTERS**

Ford, Shapland & Co.  
Harrison & Waide  
Smith, W. H., & Son  
Townsend, J., & Sons

**PROPRIETARY ARTICLES**

Anglo-American Drug Co.  
Anglo-American Pharmaceutical Co., Ltd.  
Arfie, Ltd.  
Ashton & Parsons, Ltd.  
Beecham, T.  
Beiersdorf, P., & Co.  
Bile Bean Mfg. Co.  
Bow's, Dr., Liniment  
Box, W. H.  
Capsuloid Co., Ltd.  
Chameleon Oil Co.  
Chesebrough Mfg. Co.  
Christy, T., & Co.  
Coleman & Co., Ltd.  
Congreve, G. T.  
Cox, A. H., & Co., Ltd.  
D.D.D. Company  
Daggett & Ramsdell  
Daisy, Ltd.  
Davenport, J. T., Ltd.  
Davidson & Co.  
Day & Sons (Crewe), Ltd.  
Day, Son & Hewitt  
Denoual, J., & Co.  
Elliman, Sons & Co.  
Fassett & Johnson  
Faulding, F. H., & Co.  
Fellows' Syrup  
Fennings, Alfred  
Ferris & Co.  
Fulford, C. E., Ltd.  
Genin, L., & Co.  
Goodall, Backhouse & Co.  
Grapelax, Ltd.  
Greiff, R. W., & Co.  
Henry, T. & W.  
Hughes, E. Griffiths  
Iothylol Co.  
Iron-Ox Rem. Co., Ltd.  
Kaufmann, Dr.  
Kay Bros., Ltd.  
Kilmer & Co.  
Knoll & Co.  
Kutnow, S., & Co., Ltd.  
Lalor's, Dr., Phosphoryue  
Lambert Pharmacal Co.  
Lincoln & Mid. Co. Drug Co.  
Lofthouse & Saltmer  
Lorimer & Co., Ltd.  
Mandall & Co., Ltd.  
Marmola Co.  
Menley & James, Ltd.  
Newbery, F., & Sons, Ltd.  
Odol Chemical Works  
Oudem Corn Remedy Co.  
Owbridge, W. T., Ltd.  
Patey, W., & Co.  
Phillips, Chas. H., Chemical Co.  
Pollantin (Schimmel & Co.)  
Resinol Chemical Co.  
Richards, J. M., & Sons  
Rubwel Co.  
Sangers'  
Savarett's Capsules (Evans)  
Sakuritas  
Squire & Sons  
Standard Tablet & Pill Co.  
Stedman's Teething Powders  
Thermogene Co.  
To-Kalon Mfg. Co.  
Tunbridge & Wright  
Wilcox, Jozeau & Co.  
Wood's Peppermint Cure  
Zotos, Ltd.  
(See also DENTIFRICES and TOILET ARTICLES)

**PROP. ARTS. DEALERS IN**

Barclay & Sons, Ltd.  
Edwards, W., & Son  
Evans Sons Lescher & Webb, Ltd.  
Hovenden, R., & Sons, Ltd.  
May, Roberts & Co.  
Newbery, F., & Sons, Ltd.  
Sangers'

**PRESERVATIVES**

(See DAIRY ADJUNCTS)

**PULVELLÆ**

Warriek Bros.

**PULVERETTES**

Oppenheimer, Son &amp; Co., Ltd.

**PUMPS**

Berkefeld Filter Co., Ltd.

**QUININE MANUFACTURERS**

Boehringer, C. F., & Soehne  
Howards & Sons, Ltd.  
Whiffen, Thos.

**RAZORS**

Auto-Strop Safety Razor Co.

**RENNET**

Fullwood, R. J., & Bland  
Oldfield, Pattinson & Co.

**RESINS AND RESINOIDS**

Allen, S., & Sons, Ltd.  
Allen & Hanburys, Ltd.  
Morson, T., & Son  
Ransom, W., & Son  
Smith, T. & H., Ltd.

**RESPIRATORS**

Zimmer &amp; Co.

**RUBBER GOODS**

Baird Bros.  
Burge, Warren & Ridgley, Ltd.  
Davol Rubber Co.  
Evaus Sons Lescher & Webb, Ltd.  
Fecher, M. J.  
Galen Mfg. Co.  
Haywood, J. H.  
Hovenden, R., & Sons, Ltd.  
Ingram, J. G., & Son  
Markt & Co. (London), Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Schutze, F., & Co.  
Warne, W., & Co., Ltd.

**SACCHARIN**

Saccharin Corporation, Ltd.

**SALICIN**

Macfarlan, J. F., & Co.  
Smith, T. & H., Ltd.

**SAMPLE CASES**

Improved Mailing-ease Co.  
Keane, Thomas

**SANTONIN**

Smith, B. A., &amp; Co.

**SAPOIN**

Field, C. W.  
Hoffman-La Roche, F., & Co.  
Shamer, Dr. R.

**SAUCES**

Goodall, Backhouse &amp; Co.

**SCALE PREPARATIONS**

Morson, T., &amp; Son

**SEA SALT**

Tidman &amp; Son, Ltd.

**SELTZOGENES**

Aerators, Ltd.

**SERUMS AND ANTITOXINS**

Allen & Hanburys, Ltd.  
Evans Sons Lescher & Webb  
Parke, Davis & Co.  
Wilcox, Jozeau & Co.  
Burt, Boulton & Haywood  
Sanitas Co., Ltd.  
Tomlinson & Hayward, Ltd.

**SHOP-FITTING**

Ayrton-Graham, Ltd.  
Bowling & Son  
Cleworth, J.  
Evans Sons Lescher & Webb, Ltd.  
Josephs, P., & Son  
Maw, S., Son & Sons  
Mills, H.  
Rudduck & Co.  
Sangers'  
Southall Bros. & Barclay, Ltd.

**SOAPS**

Allen & Hanburys, Ltd.  
Armour & Co., Ltd.  
Bronnley, H., & Co., Ltd.  
Chesebrough Mfg. Co.  
Cook, E., & Co., Ltd.  
Erasmo Co., Ltd.  
Gibbs, D. & W., Ltd.  
Hull Oil Mfg. Co., Ltd.  
J. S. W. Preparations, Ltd.  
Lescol Perfumery Co.  
Oakley, J., & Son, Ltd.  
Pears, A. & F., Ltd.  
Price's Patent Candle Co.  
Richards, J. M., & Sons  
Tidman & Son, Ltd.  
Wright, Layman & Umney

**SOCKS**

Davis, J. M., & Sons  
Solport Bros.

**SOAP MATERIALS**

Chiris, Antoine

**SOAPS, MEDICATED**

Armour & Co., Ltd.  
Bronnley, H., & Co., Ltd.  
Calvert, F. C., & Co.  
Capsuloid Co.  
Dunoon, Flockhart & Co.  
Faulding, F. H., & Co.  
Hearon, Squire & Francis, Ltd.  
Lambert Pharm. Co.  
Sanitas Co., Ltd.  
Wright, Layman & Umney  
**SODA FOUNTAINS**  
British Automatic Aerators, Ltd.  
Jackson, J. P., & Co., Ltd.  
**SODIUM BICARBONATE**  
Brunner, Mond & Co., Ltd.  
Howards & Sons, Ltd.  
Mumford, G. S.

**SOOTHERS**

Armstrong, M. D.  
Cartwright, A. S., Ltd.

**SOUTH AFRICAN AGENTS**

Lennon, Ltd.  
Murdoch, John & Co.

**SPARKLETS**

Aerators, Ltd.

**SPECTACLES**

Anglo-American Optical Co.  
Botwright & Grey  
Darton, F., & Co.  
Maw, S., Son & Sons  
Raphael's, Ltd.

**SPIRIT OF WINE**

Burrough, J., Ltd.  
Preston's Liverpool Distillery

**SPITTING-FLASKS**

Maw, S., Son &amp; Sons

**SPONGE BAGS**

Maw, S., Son & Sons  
Toogood, W., Ltd.

**SPONGES**

Cresswell Bros. & Schmitz  
Internatl. Sponge Importers  
Kent, G. B., & Sons, Ltd.  
Markt & Co. (London), Ltd.  
Maw, S., Son & Sons  
Sangers'

**SPONGIO-PILINE**

Whitehead, R. R., &amp; Bros.

**SPRAYS**

Burge, Warren & Ridgley, Ltd.  
Cook, Alfred, & Co.  
Davol Rubber Co.  
Hovenden, R., & Sons, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Newbery, F., & Sons, Ltd.  
Parke, Davis & Co.  
Wetmore, S. H., Co.

**STARCH**

Mumford, G. S., &amp; Sons

**STOPPERS**

Fletcher, Fletcher & Co.  
Stipendum Stopper Co.

**STOVES (HEATING)**

Clark, S., &amp; Co.

**SURGICAL APPLIANCES**

Allen & Hanburys, Ltd.  
Bailey, W. H., & Son  
Burroughs Wellcome & Co.  
Curling, G. Wyman, & Co.  
Ingram, J. G., & Son  
Mason Bros. & Chapman  
Maw, S., Son & Sons  
Offord Hygienic Truss Co.  
Schutze, F., & Co.  
Wood Vincent  
Warne, W., & Co., Ltd.

**SURGICAL DRESSINGS**

Baird Bros.  
Beiersdorf, P., & Co.  
Berliner, Arthur  
Burroughs Wellcome & Co.  
Curling, G. Wyman, & Co.  
Dalmás, A. de St., & Co.  
Galen Mfg. Co., Ltd.  
Gimber, W.  
Haynes, G., & Co.  
Jackson, Röhrs, & Co.  
Leslies, Ltd.  
Liverpool Lint Co.  
Macfarlan, J. F., & Co.  
Maw, S., Son & Sons  
Newsome, C.  
Robinson & Sons, Ltd.  
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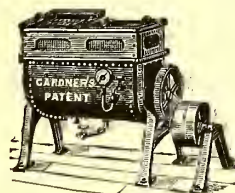
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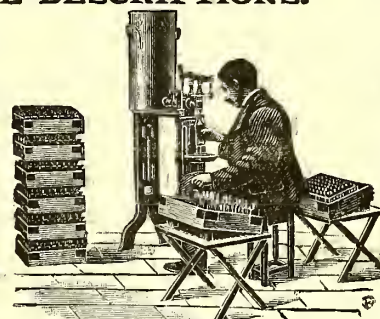
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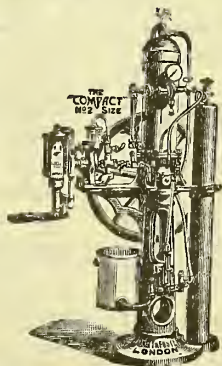
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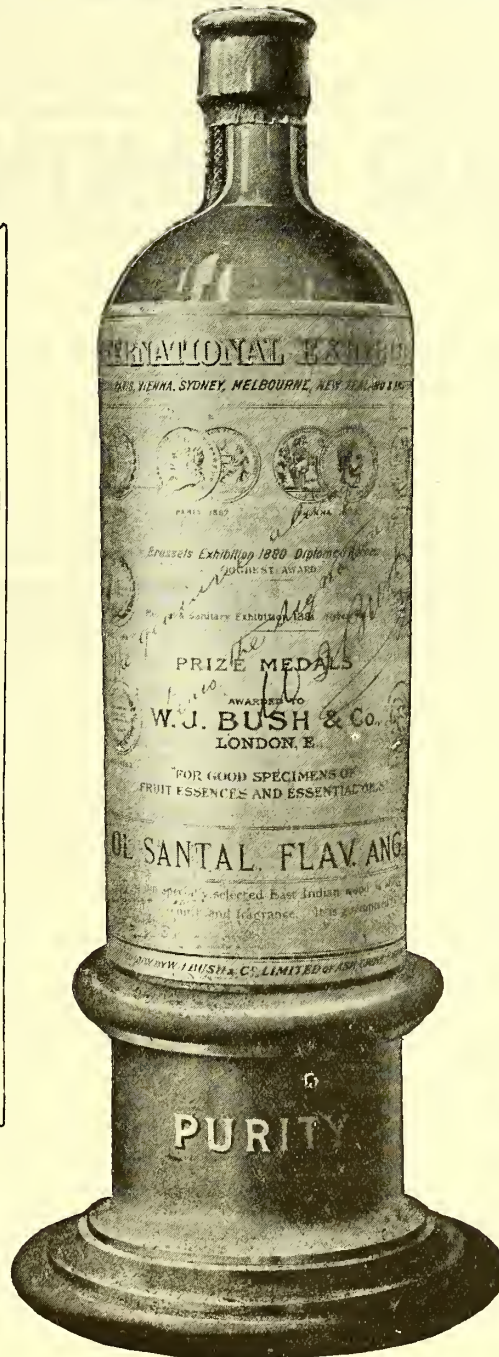


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# LAVONA DE COMPOSÉE AND FLOWERS OF OXZOIN

ARE REDUCED IN PRICE

LIKEWISE

**TO-KALON PERFUME (French Fon Fleur)**

Put up in 2 dram and 1 oz. bottles.

Obtainable from all the Leading Wholesale Houses.

**ALL OUR GOODS ARE ON THE P.A.T.A. LIST.**

**TO-KALON MANUFACTURING CO.**

Albion House, 61 New Oxford Street, London, W.C.

## The Opinion of Recognised Authority.

See in the Diary for 1909 what

Mr. J. PARRY, B.Sc., F.I.C., F.C.S., Analytical & Consulting Chemist,  
says about the

**ARTIFICIAL AND SYNTHETIC ESSENCES**

of

**CHUIT, NAEF & CO., GENEVA (Switzerland).**

**CONCLUDING STATEMENT.**—In conclusion, my results enable me to say that all the products of Messrs. Chuit, Naef & Co. that I have examined are of the highest degree of purity, and in the case of mixtures of the sweetest and most powerful odour possible.

**WALKER, TROKE & CO.**

WHOLESALE DRUGGISTS,  
(late 65) Bath St., City Road,  
LONDON, E.C.

Telephone: "3593 CENTRAL"

GELATINE-COATED DOG & FOWL  
PILLS. *Samples Free.*

Sole Makers of 'SANOGEN VAPORISER' (Reg. No. 21,772), for WHOOPING COUGH, ASTHMA, &c. Retail Price 2/6 (subj. to dis.)



SOLE MAKERS OF  
**GABRIEL & TROKE'S**  
**GELATINE CAPSULED**  
**HORSE BALLS**

Alterative, Condition, Cordial, Cough,  
Diuretic, Fever, Physic, Worm,  
Quinine, Tonic Balls (Registered 61,291).

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BY APPOINTMENT



TO H.M. THE KING.

# SCRUBB'S AMMONIA

**MARVELLOUS PREPARATION**

Refreshing as a Turkish Bath..

Splendid Cleansing Preparation for the Hair.

Allays the Irritation caused by Mosquito Bites.

Restores the Colour to Carpets.

Invaluable for Toilet Purposes.

Removes Stains and Grease Spots from Clothing.

Invigorating in Hot Climates.

Cleans Plate and Jewellery.

Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

**SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.**



ESTABLISHED 1820.

# Roure-Bertrand Fils

ROURE-BERTRAND FILS



GRASSE.

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**DISTILLERS OF  
ESSENTIAL OILS.**


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ROURE-BERTRAND FILS



MANUFACTURERS OF  
RAW MATERIALS FOR PERFUMERY AND SCENTED SOAPS,  
AND HIGH-CLASS PERFUMERY EXTRACTS FROM FLOWERS.

**Essences solides, liquides and absolues . . .  
drawn directly from the flowers a speciality.**

HIGHEST AWARDS AT MOST EXHIBITIONS.

*Sole Agents for the United Kingdom:—***SPIES BROTHERS & CO., 102 Fenchurch Street, LONDON, E.C.***WHOLESALE HOUSES ONLY SUPPLIED.*

## The Lescol Perfumery Co.

### FINEST CONCENTRATED PERFUMES

PARMA VIOLETS, JOCKEY CLUB, OPOPONAX, NEW MOWN HAY,  
RUSSIAN VIOLETS, SWEET PEA, WHITE ROSE, WALLFLOWER,  
and all varieties of exceptional value.

### Speciality: "NICOSIA."

No. AA 1 1 oz. ...	9/6 per doz. *1/3 each	No. AA 3 3 oz. ...	21/- per doz. *2/8 each
No. AA 2 2 oz. ...	15/6 per doz. *1/9 each	No. AA 4 4 oz. ...	26/- per doz. *3/6 each
No. AA 5 8 oz. ...		50/- per doz. *9/- each	

\* P.A.T.A. Prices

*We have been extensively advertising "NICOSIA" in the principal periodicals and magazines to create an interest which should lead to Chemists receiving inquiries for this speciality.*

Illustrated Price Lists on application to

**GEORGE ST., CAMBERWELL GREEN, LONDON, S.E.**



**CHEMISTS**

wishing to make a SPECIAL FEATURE of highly refined Perfumes, will safely invest money  
by stocking

# Paris **L. T. PIVER'S** London

## EVER SUCCESSFUL PREPARATIONS.

THE LADIES' WELL-KNOWN FAVOURITES:

**TREFLE INCARNAT, AZUREA, SAFRANOR, & FLORAMYE,  
ASTRIS AND OREAD.**

AS WELL AS THE

**Latest Novelties: VIVITZ & POMPEIA**

**have been placed HORS CONCOURS at the Franco-British Exhibition, 1908,  
are EXTENSIVELY ADVERTISED,**

**are RETAILED AT PROTECTED PRICES,**

**and INSURE GOOD PROFITS TO THE SELLER.**

*A Five Pound Order will secure, CARRIAGE PAID, an excellent assortment of the above.*

Write to your Wholesaler for Price List, perfumed cards, etc.,

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(ORIGINAL HAUS)

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**SUPERIOR TO ANY OTHER BRAND.**

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**Absolutely the Best Capping for everything**

**FAR BETTER AND STRONGER THAN SKINS.**

**MOST BRILLIANT, ELEGANT APPEARANCE,  
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Smooth, glossy, perfect-fitting, very strong, very efficient,  
odourless, and air-tight and spirit-tight.

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## -An Attractive Window READ pays. READ

what "THE CHEMIST & DRUGGIST" says:

LAIT LAROLA. — "This little engraving represents one of the smartest arrangements for window-display that we have seen for some time. It is collapsible, measures 20 in. high by 11 in. wide, and although made of cardboard, at a distance of 3 or 4 yards it is so substantial looking as to convey the idea of the original cartons of "Lait Larola." It is just the thing to make an attractive corner in the window, on a shelf, or, indeed, in any part of the pharmacy. Any C. & D. subscribers who would like one should write to Messrs. Beetham & Son, Cheltenham, the proprietors of "Lait Larola."



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(CANNES, GRASSE, FRANCE),

*Manufacturers and Distillers of***Perfumes, Essential Oils, Pomades,  
Floral Waters, &c.***Before Buying***OL. NEROLI BIG. PET.,***Correspondence Invited.**Write us for Price and Sample  
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Telephone—8179 CENTRAL. 1

Telegrams—"NEROLI LONDON."

*NEW YORK—Magnus, Mabee & Reynard Inc., 257 Pearl Street.**KINGSTON, ONTARIO—265 Ontario Street.**LEIPZIG—28 Elsterstrasse.**VIENNA—5 Wallfischgasse.**SYDNEY, N.S.W.—Sedgley & Woolnough Proprietary Ltd.,**Wynyard Buildings, Carrington Street, Wynyard Square.***PAPIER  
POUDRE****POWDER WITHOUT A PUFF.***The Original PAPIER POUDRE in Dainty Books.*

Papier Poudré, 3/4 size (White, Rose, or Rachel)	2/-
" " 6/4 size " "	3/9
" " 1/- size " "	7/6
Papier Poudré Shaving Pads, 1/- size (White) ...	7/6

*Special Prices to Wholesalers and Shippers.*

**CAUTION.**

An order has been entered by the Supreme Court of the State of New York against the Payne Manufacturing Company, prohibiting said defendants from manufacturing or selling any colourable imitations of the PAPIER POUDRÉ BOOKS of said PAPIER POUDRÉ, LTD.

**BEWARE OF THE NUMEROUS IMITATIONS.***None Genuine without our TRADE MARK. Price List on Application to***PAPIER POUDRÉ, LIMITED,****23 SOMERSET STREET, PORTMAN SQUARE, LONDON, W.***Sole Agents for United States of America:***F. R. ARNOLD & CO., 3, 5, and 7 West 22nd St., New York.**

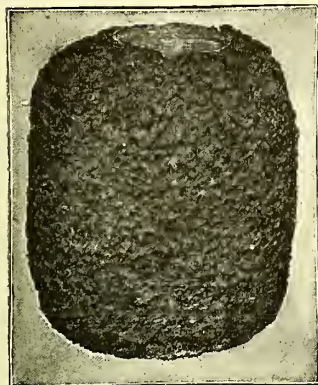
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REGISTERED

**"LEHCARESOR."****Papier Poudre****PAPIER POUDRÉ, LTD.****23 Somerset Street, Portman Square,  
London, W., and in Paris.**





# THE Featheredge RUBBER SPONGE

Gives a soft, soothing massage action in use without any unnecessary friction.

**A GOOD SELLER. A GOOD MONEY MAKER.**

Of all Wholesale Chemists and Druggists.

SOLE IMPORTERS

**MARKT & CO. (LONDON), LTD., 6 City Road, LONDON, E.C.**

Add a new source of income to your business by taking up

## Laurence's ONE-SOLUTION Hair Dye

In nine shades — Raven Black, Black, Dark Brown, Brown, Medium Brown, Light Brown, Golden Brown, Auburn and Chestnut.

**THE BEST ON THE MARKET.  
ABSOLUTELY RELIABLE.**

Shows over 100 per cent. profit.

Can be supplied under Chemist's own title if preferred, and exclusive design of carton and label reserved in any one town.

Write at once for particulars to—

**C. R. HARKER, STAGG & MORGAN**

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**MILE END, LONDON. E.**

**30/-  
A MIDGET BOOKLET.**

This booklet contains 8 pages of convincing copy written specially for each client.

Cover design, printers' instructions and dummy showing exact arrangement to save you trouble. All this included in price. Remember this is not a "Stock" booklet. Send 15s. and order now.

**F. A. DEGEN,** The Chemists' and Druggists' Ad. Expert.  
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£2 orders Carriage paid. 5% discount for cash. No charge for cases or packing.

## TIDMAN'S SEA SALT

$\frac{1}{4}$  cwt.,  $\frac{1}{2}$  cwt. and 1 cwt. bags are sent carriage paid (single bags); other sizes, £2 orders carriage paid, or may be included with other goods.

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$\frac{1}{2}$  d. and 1d. packets, 6d. and 1/- tins.

## TIDMAN'S PINNACLE SOAP STAND.

RETAIL at 1/-

## TIDMAN'S TOILET SOAPS.

PRICES ON APPLICATION.

## Citrate of Magnesia

8 oz. (fluid capacity) Stoppered Cheltenham, 36/- per gross.  
 $\frac{1}{2}$ -lb. bottles ... 6/- per doz.  
Also in 1 lb., 2 lb., 4 lb., 7 lb. bottles at ... 7d. per lb.

Buyer's own name on labels if desired.

**TIDMAN & SON, Ltd.,** BUSHELL ST., LONDON, E.

ESTAB. 1871.

CONTRACTORS TO WAR OFFICE, ETC.

## CORKS FOR CHEMISTS.

We are the **ONLY CORK FIRM** that makes a speciality of

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FINEST QUALITY SELECTED BOTTLE & PHIAL CORKS AT LOWEST PRICES EVER OFFERED.

WRITE FOR FREE SAMPLES & PRICE LIST.

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# POTTER & CLARKE,

LTD.,

FOR

## LOZENGES.



Pronounced by those who have tried them to be the best as yet on the market.

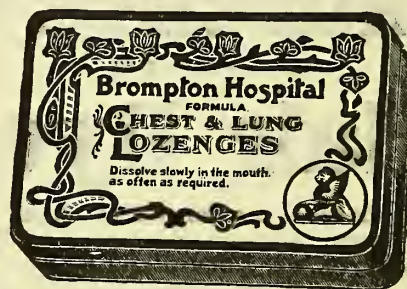
3d. Decorated Tins (1 doz. in box) ... 1/9 per doz.

3 doz. lots ... 1/8 "

1d. boxes (3 doz. in box) ... 7/- gross

In bulk, 1/- per lb.; 14 lbs. 11d.

### BROMPTON HOSPITAL LOZENGES



3d. Tins (1 oz. size), 1/9 per doz.; 3 doz. lots, 1/8.

1d. boxes, in 3 doz. outers, 7/- per gross.

In bulk, 1/- per lb.; 14 lbs., 11d.



## FIVE BARKS

(Registered No. 29579)

## Chest & Lung JUBES.

Prepared from Canadian Pine, Slippery Elm, Cherry & White Pine Barks & Liquorice Root

Retails at 1d. per oz., 4 ozs. 3½d. Wholesale, per lb. 9d., 7 lbs. 8d. In 4 and 7 lb. tins (free).

WRITE FOR SAMPLE.

POTTER & CLARKE, LTD., Lozenge Manufacturers  
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# KUTNOW'S POWDER

IS ON THE P.A.T.A.

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Prescribed for and used by  
the British Royal Family.

## COMMANDS THE LARGEST SALE

Endorsed and prescribed by the leading  
Physicians for use in Constipation,  
Rheumatism, Gout, and all disorders of  
the Liver, Stomach, Kidneys, and Bowels.

## IS EXTENSIVELY ADVERTISED

Kutnow's Powder is advertised throughout  
Great Britain, India, Australia, and all parts  
of the Globe. It enhances the reputation of  
every Chemist for high-class preparations.

## STOCKED BY ALL MEDICINE HOUSES

Millions of bottles of Kutnow's Powder are  
sold annually. It supplies a public want and  
consequently the sales increase every year.

## ALL CHEMISTS SHOULD KEEP IT

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WRITE FOR PARTICULARS TO THE SOLE PROPRIETORS:

**S. KUTNOW & CO., LTD., 41 FARRINGDON RD., LONDON, E.C.**



# HOT-WATER BOTTLES

**GUARANTEED FOR 2 YEARS.**

Both "heavy" and "light" bottles are made from  
**best quality rubber.**



Fig. 955.  
TOP HANDLE.

## Reduction in Prices.

SIZES.	HEAVY.	LIGHT.	PLUSH COVERS.
	s. d.	s. d.	s. d.
6 x 8 inch ...	2 8 each	2 5 each	0 8 each
6 x 10 " ...	3 0 "	2 8 "	0 8 "
6 x 12 " ...	3 5 "	3 1 "	0 10 "
8 x 10 " ...	3 8 "	3 2 "	0 10 "
8 x 12 " ...	4 2 "	3 7 "	0 11 "
8 x 14 " ...	4 9 "	4 2 "	0 11 "
10 x 12 " ...	5 4 "	4 10 "	1 0 "
10 x 14 " ...	5 4 "	4 10 "	1 0 "
12 x 14 " ...	6 2 "	5 7 "	1 2 "

EACH ONE IN A NEAT PAPER BAG WITH DIRECTIONS FOR USING.

**A special Discount of 5% for cash with order.**

For orders of two dozen bottles assorted we will put tablet with  
customer's name on free of charge.



Fig. 957.  
SIDE HANDLE

Carriage paid on Orders of £2 and upwards to any Town in the United Kingdom.

## BURGE, WARREN & RIDGLEY, Ltd.,

91 and 92 Great Saffron Hill, London, E.C.

### Brandreth's Pills

### Allcock's Porous Plasters

### Allcock's Corn and Bunion Plasters

*The Three Reliables*



### VINCENT WOOD

For BRITISH MADE  
**Hot-Water Bottles.**

One Quality only—  
**BEST and RELIABLE.**

10 x 8 3/3, 12 x 8 3/9 each.

Other Sizes in Proportion.

**Also NEW COVERS.**

CHEST AND LUNG PROTECTORS,  
WINTER BODY BELTS, TRUSSES,  
ELASTIC HOSIERY, and  
Surgical Appliances generally.

4 Albion Place, Blackfriars Bridge,  
Send for List. LONDON, S.E.

### THE NEW 'ADAPTABLE' HOT WATER BOTTLE

(REGISTERED DESIGN.)

Suitable for many purposes for  
which the old-fashioned shape  
is useless.

For BED WARMERS.

For CARRIAGES.

For MOTOR CARS.

For INVALIDS, &c.

Customers can have their names, &c.,  
printed on reverse side.

**LOW PRICES. BIG DISCOUNT.**

Sole Manufacturers:—

THE FULHAM POTTERY & CHEAVIN FILTER CO., LTD., FULHAM,  
LONDON, S.W.



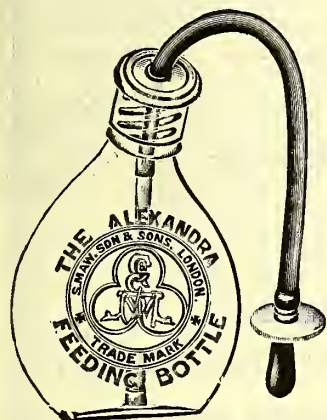




THE CENTURY. Regd. No. 5727885.  
7/6 per doz.



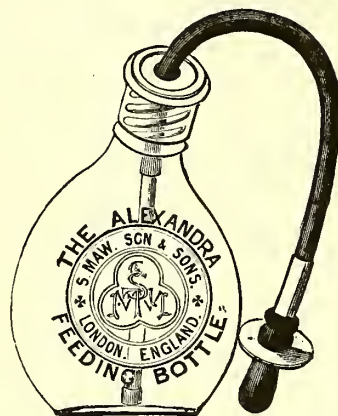
LITTLE FOLKS.  
4/3 per doz.



THE ALEXANDRA  
SCREW GLASS STOPPER.  
4/4 and 5/- per doz.

# MAW'S FEEDING BOTTLES.

WHITE GLASS.  
Each in box, with  
Brushes complete.



THE ALEXANDRA  
SCREW GLASS STOPPER.  
8/6 and 11/6 per doz.

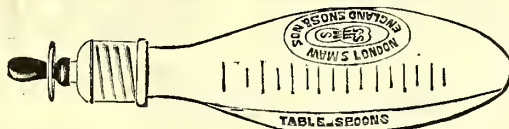
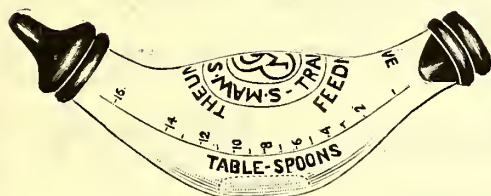
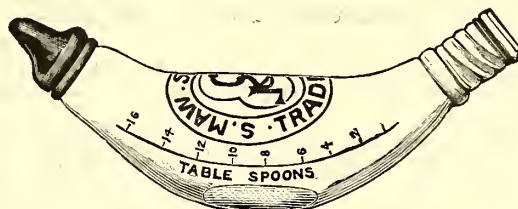


Fig. 2023. THREE SIZES.  
6/9, 7/3, and 9/- per doz.



THE UNIVERSAL.  
Two sizes: 8/- and 10/6 per doz.



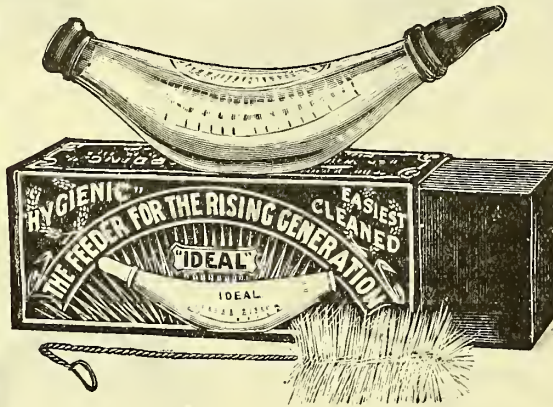
THE HYGIENIC.  
8/- per doz.

**S. MAW, SON & SONS,** 7-12 Aldersgate Street,  
— LONDON. E.C. —

Telegrams: "ELEVEN, LONDON."

Telephone: No. 3230 (4 lines).





## Double Hole FEEDING BOTTLES

are now fitted with  
**Transparent I.R. Teats  
and Valves.**

PRICES ARE:

Each in highly decorated SLIDE  
BOX as illustrated .... **5/9 doz.**

Ditto in ordinary lift off Box, **5/- doz.**

The same fitted with **Black I.R. Teats and Valves** are now  
reduced as follows:

In SLIDE BOX as above, **5/6** and **4/6** per dozen. In Lift-off Box at  
**4/-**, **3/9** and **3/6** per dozen.

**WE are the cheapest House for  
FEEDING BOTTLES, FEEDING BOTTLE FITTINGS and BABY COMFORTERS!**

**ALFRED COOK & CO., GREAT EASTERN WORKS, ENFIELD, MIDDLESEX.**

**SELL AT SIGHT.**

## DR. NELSON'S MEDICATED LOOFITE SOCKS.

Impregnated with  
Boracic Acid, Pine Oil, &c.  
Patented.

**ONCE WORN. ALWAYS WORN.**

Now on the P.A.T.A. **4/-** per dozen, **46/-** per gross. Retail, Face Value, **6d.** per pair.

**JOHN MORGAN DAVIS & SONS, 89 Bishopsgate Without, LONDON, E.C.**

ESTABLISHED 1838.

## THE OFFORD HYGIENIC TRUSS.

**"SIMPLE—SCIENTIFIC—SECURE."**

**PATENT.**

**NO BODY SPRING.  
NO UNDERSTRAP.  
WASHABLE.**

Can be placed where required  
and remains in position.

**Weights only 3 ozs.**

The "**OFFORD**" TRUSS readily sells, because it has so  
many advantages over all other Trusses.

Liberal Terms are offered to Chemists: these and the fact  
that a very small stock is necessary make the "**OFFORD**"  
TRUSS a profitable line to push.

A limited number of Window Displays can be arranged for  
in each district.

For particulars, Trade Terms, Descriptive Booklets, &c., apply

**NO FITTING  
REQUIRED.**

Made in one size only. Rights,  
Lefts and Doubles.

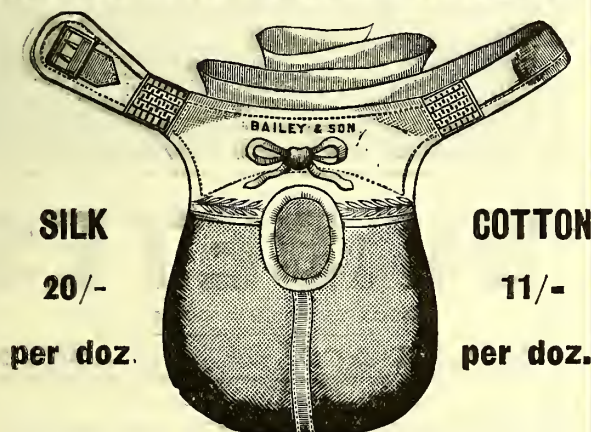
Does not deteriorate in stock.

**THE OFFORD PATENT HYGIENIC TRUSS COMPANY, LTD.**

**44 ST. ANDREW STREET, CAMBRIDGE.**



# BAILEY'S "A.B.C." SUSPENSORIES.



**SILK**  
20/-  
per doz.

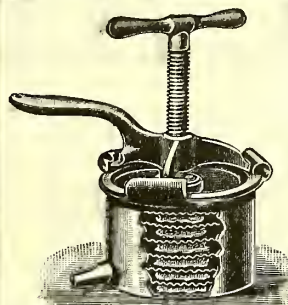
**COTTON**  
11/-  
per doz.

Assorted—A, small; B, medium; C, large bags.

**W. H. BAILEY & SON,**  
38 OXFORD STREET, LONDON. W. [3]

## The "Hercules" Patent Meat Juice Press

More economical and hygienic than others. Nearly the whole of the juice in raw meat—about 50%—can be obtained cold, i.e., about double the quantity obtainable by any other press. Only half the quantity of meat, therefore, being necessary, the saving is very considerable. No pressing cloth being used and all parts in contact with the meat being of pure tin or nickel-plated, these Presses are unsurpassed from a hygienic point of view. To be obtained from all Chemists.



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Wholesale: The Sole Agents of the "Hercules" Patent Meat Juice Press, 85 Queen Victoria Street, London, E.C.

INDIA.

## PEAKE, ALLEN & CO.

CHEMISTS, DRUGGISTS,  
AND

**GENERAL MERCHANTS,**  
**LUCKNOW, OUDH, INDIA,**

Possess exceptional facilities for the introduction of NEW SPECIALITIES, Patent Medicines, Druggists' Sundries, Perfumery, &c.

# BARCLAY & SONS, Ltd.

*Wholesale Depot for the following Importations:*

AGNEW'S CATARRH CURE, &c.  
ALLENS' FOOT EASE &  
CORN PADS, &c.  
ARTAUD'S PERFUMES.  
BOEHM'S GLYCERINE SOAP.  
BROMO PAPER.  
CHAMBERLAIN'S REMEDIES.  
CUTICURA REMEDIES & SOAP.  
HIMROD'S ASTHMA CURE.

KALODONT.  
KAUFMANN'S SULPHUR  
BITTERS.  
LYON'S TOOTH POWDER.  
PISO'S CONSUMPTION CURE.  
RADWAY'S READY RELIEF.  
RIEGER'S SOAPS.  
VALENTINE'S MEAT JUICE.  
WAMPOLE'S C. L. OIL, &c.

— ALSO —

Chemists' & Photo Dealers' Sundries, Patents, &c.

**95 Farringdon St., LONDON, E.C.**



# CARDS.

For Terms apply to the Publisher.

## FRED<sup>K</sup>. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.

**SPECIALITIES:** Dextrine—Gum Arabic—  
Gum Tragacanth—Pure Beeswax—  
Ceresine Wax—Honey, &c.

## DENTISTRY FOR DENTISTS

by FENTIMAN & CO. (A. J.),

Practical Dentists in Gold, D.A., Tubes, Crowns, Gum Sections,  
Vulcanite, Celluloid, Strengthened Rubber, Reg. Cases,  
Obturator, &c.

Telephone: 9977 London Wall. Telegrams: "Lullingly London."  
Postal—East Smithfield, Tower Bridge. Established 1835.

Price Lists on receipt of card or estimates free.

Precipitated Chalk, Hyposulphite of Soda,  
Sulphite of Soda, Glauber Salts, Epsom Salts,  
Salts of Tartar, Alum, Sulphite of Lime,  
Sulphide of Sodium.

**E. BRAMWELL & SON, ST. HELEN'S, LANC.**

## "SILVERY WHITE CUTTA PERCHA ENAMEL" TOOTH STOPPING



**P. A. STEVENS, Surgeon-Dentist,**  
Mansfield Rd., S. Hampstead, N.W.,  
Sole Proprietor & Manufacturer.

TRADE MARK. Registered No. 2745. Special Terms to Wholesale Houses for  
Sheet or Sticks stamped with their own name. A sample box of 3d. sticks sent  
post free for 12 stamps. Price list and sample free.

Best Enamel Tooth Stopping ...	...	sell 1d.	2½d. doz.
Invisible Ink, Blue or Green ...	...	" 3d.	1/9 "
Indelible Marking Ink ...	...	" 3d.	1/7 "
Perfect Beetle Destroyer (6-oz. tins.)...	...	" 6d.	3/6 "

Prices nett and carriage paid per post or carrier.

**W. H. SNOW & CO., 2 Kingly St., Regent St., London, W.**

## DOG AND CAT MEDICINES

will increase your Sales.

LIBERAL TERMS.

HIGH CLASS GOODS.

Books on Disease, Show Cards, and Pedigree Forms sent free.

**THE "WILSON" VET. MED. MANUFACTURING Co., Ltd.,**  
**ASHFORD, MIDDLESEX.**

## The "F.S." hand made Suspensories



have the largest sale at Home and Abroad.

None more Practical, Comfortable, or Efficient.

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FIG. 386



FIG. 390



FIG. 990

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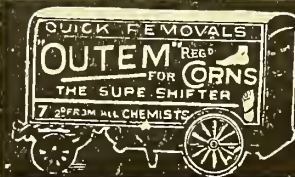
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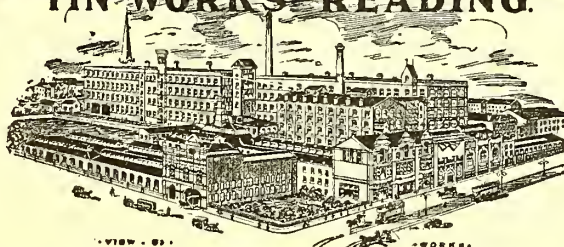
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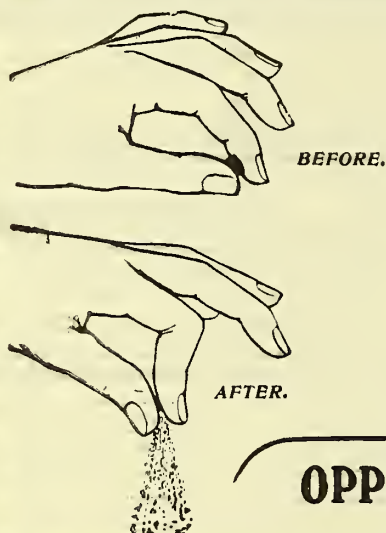


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Slight pressure  
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**TEST IT.****PRESS REPORTS.****"The Lancet," Dec. 14, 1907 :**

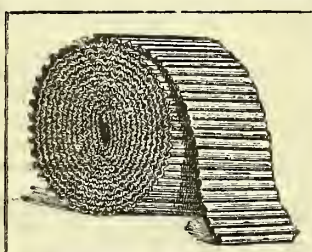
"A real advance on the ordinary pill. In water the 'Pulverette' soon disintegrates . . . obviously secures the prompt administration of a solid drug."

**"The British & Colonial Druggist," Dec. 6, 1907 :**

"May be described as reaching the high-water mark in up-to-date pill manufacture."

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This combination is recognised as the treatment (par excellence) in such diseases as Eczema (or weeping skin) Eczema Rubrum (or Red Mange), Scabies Follicularis (or, true Parasitic Mange) Pruritus both of skin and anus, the latter often caused by the irritation due to pin worms in the rectum.

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The greatest feature of this Ointment is the Pure "Vaseline" base which unlike all other ointments containing Lard, Soft Soap, Glycerine, &c., does not become RANCID, or sour, always maintains the same consistency and sweetness, and is a true food and antiseptic for the skin. This ointment is non-poisonous either by absorption or swallowing.

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**A Weekly Journal of the Chemical and Drug Trades,**  
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The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by seventeen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

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### DIARY POSTCARD COMPETITION.

EVERY copy of the *C. & D. Diary*, 1909, sent out contains two postcard coupons, which should be filled in and posted to the Editor of the *C. & D.* not later than January 14. Ten guineas will be awarded as prizes to those who win them according to the conditions on the coupons.

### BEGIN THE YEAR WELL.

THAT is the first step towards making a satisfactory balance-sheet at the end of the year: so let all in the chemical and drug trades and British pharmacy know what you have to sell. Advertise in the Winter Issue of THE CHEMIST AND DRUGGIST, to be published on Saturday, January 30. We are now booking orders for the insertion of booklets, circulars, and price-lists in the Winter Issue as insets. Write to the Publisher, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., for full particulars.

## Summary.

The subjoined paragraphs give the gist of the more important matters in this issue, with the object of showing at a glance what has happened during the week. See also "Contents" in the first column.

SHOP MANAGEMENT is the subject of this week's expository article on the Poisons and Pharmacy Act (p. 52).

FIRST we comment upon the remarkable change in feeling since 1888, when unqualified branch managers opposed a proposal that branches should be managed by qualified men. Now the provision has been enacted without opposition (p. 53).

SECOND, we call attention to a difference between (1) individuals' premises and (2) the premises of companies and firms in Scotland. In the former the "name and certificate" of the manager and in the latter "the certificate" is to be conspicuously exhibited. We explain how the distinction arose, and suggest that as the certificate bears the name it alone should serve in all cases (p. 53).

THIRD, the new widows clause is briefly referred to. In cases where the business is that of a pharmaceutical chemist the managers must be pharmaceutical chemists should that title be continued (p. 53).

FOURTH, companies and firms in Scotland must, in addition to appointing a superintendent, have a qualified chemist as manager of each shop, and his certificate has to be conspicuously exhibited (p. 53).

OTHER POINTS are dealt with by "Xrayser" (p. 51); we mention comments by the "Times", and the Secretary of the Ironmongers' Federated Association (p. 54), and reply to a series of queries on various points in the Act (p. 67).

FOR THE LATEST STORE PRICES see p. 38.

MR. SEYD'S STATISTICS of the failures in 1908 are given, as regards the drug-trade, on p. 55.

THE SELECTION OF A NAME for a proprietary article is what Mr. Thomas Russell writes about this week (p. 56).

THE STRAITS SETTLEMENTS OPIUM COMMISSION recommends stricter control of opium-smoking, but not prohibition (p. 55).

AN INTOXICATING MEDICINE SALES ACT has been passed in Cape Colony, and the essential parts of it are printed on p. 41.

MR. JAMES HEWLETT, President of the Isle of Thanet Chemists' Association, figures in our Winter Session Gallery (p. 57).

BORACIC LOTION, fluid magnesia, and quinine-wine are the drugs which furnish this week's Sale of Food and Drugs Acts cases (p. 44).

CINCHONAMINE forms a very insoluble nitrate, and Mr. B. F. Howard has developed this fact into a successful quantitative test for nitrates (p. 59).

THE POISONS AND PHARMACY ACT was the principal topic at the meeting of the Pharmaceutical Council on Wednesday, which is reported on p. 58.

THE BRITISH DENTAL ASSOCIATION is still engaged in stretching Section 3 of the Dentists Act to cover the conduct of unqualified persons who advertise (p. 44).

MATTERS WHICH SHOULD be taken into consideration and things that must be done before trying to sell a chemist's business are described by Jay Mack on p. 56.

THE information which we publish this week in regard to the American bromide situation throws new light on the relations between the German and American producers (p. 61).

THE EARTHQUAKE in Sicily and Calabria is the subject of numerous notes regarding firms and individuals connected with the Messina essences industry, which begin on p. 49. We also deal with the market in lemon, bergamot, and orange oils, which are selling at 'scare' prices (p. 54).

THE TESTING OF DISINFECTANTS was discussed at a meeting of the London Section of the Society of Chemical Industry this week. The authors of the process have devised a method based on the electrical resistance of an organic bacterial solution to which the antiseptic has been added (p. 59).

BUSINESS has opened under quiet conditions in the chemical and drug markets. Messina essences continue to be the principal features, prices having risen rapidly. Prices of iodine preparations for smaller quantities have been revised. Ethers from duty-paid s.v.r. are dearer, as also are other spirituous preparations. Copper and ammonia sulphates and sulphur are dearer (p. 61).



## English News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

### Brevities.

The "British Medical Journal" published more analyses of proprietary medicines on January 2.

Mr. Edward Hinks, B.Sc., F.I.C., has been appointed public analyst for the Reigate Town Council, at a fee of 10s. 6d. per sample.

A fire which occurred on January 1 in the adjoining premises damaged the pharmacy of Mr. F. E. Buckingham, pharmaceutical chemist, Red Lion Street, Aylsham, Norfolk.

At the annual meeting of the Retford Literary and Mutual Improvement Society on Tuesday last week, Mr. T. L. Hollely, chemist and druggist (Mayor of Retford), was elected President.

The list of Royal-warrant Holders is published in the "London Gazette" for Friday, January 1. The warrants give holders authority to use the Royal Arms, but do not carry the right to fly the Royal Standard.

A boy three years old died at Bromley, Kent, on December 31 from shock caused by injuries through paraffin falling on his head, neck, and shoulder. His mother washed the parts with warm water, but a blister appeared on the chest and broke, and five days after the child died in hospital.

Mr. Ernest C. Cripps, chemist and optician, Berkhamsted, informs us that he has arranged with the local seedsman that the local business in all scheduled poisonous preparations shall be transferred to the local chemists. Probably a similar arrangement could be made in many other parts of the country.

At a recent meeting of the Acton District Council, the recommendation of the Education Committee that the Council apply for permission to spend 50l. upon spectacles for school-children provoked a long discussion. As a result, the amount to be applied for was reduced to 20l. During the discussion it was mentioned that it is intended to pay 2s. 6d. for each pair of spectacles.

A "Daily Mail" correspondent offers the following advice to consumers of aerated waters:

Select a brand of mineral-water manufactured by a firm with a reputation to preserve, and who use deep artesian-well water. In filling syphons at home the supply used should not be from a river or exposed waterworks, and make sure the household service is kept clean; water in which sparrows or mice have found a watery grave being an acquired taste—and dangerous.

Messrs. Lever Bros. have issued a circular to their customers announcing a reduction of  $\frac{1}{2}$ d. per lb. in their soap. This, they state, is due to the fall in price of tallow and oils during the last eighteen months. Messrs. J. Knight, Ltd., think the intimation in the newspapers may convey a wrong impression. In a letter to "The Times" of January 5 Messrs. Knight say they, in common with the rest of the trade, gave the public the benefit of the drop in the value of raw materials immediately it took place. They point out that the price of soaps of similar quality to Sunlight was reduced by  $\frac{1}{2}$ d. per lb. on September 9, 1907, and another general reduction was made when the actual drop in prices took place—on March 1, 1908.

In the course of an inquiry at the Islington Coroner's Court on January 5, relative to the death of Mrs. Fanny E. M. Chadwick (38), it transpired that the bursting of a cylinder of liquid sulphur dioxide started the fatal illness. The husband, an Islington brush-manufacturer, had removed a cylinder of the liquefied gas, owing to a slight leak, from his office to the "bleach-house" of his new factory, and was showing his wife round later in the evening when the explosion occurred. When he became conscious he found he had carried his wife (who was gasping painfully for breath) into the office. Deceased bore no sign of injury, but contracted bronchitis and pneumonia, and died fourteen days after the accident. The inquiry was adjourned for the inspector of explosives to be communicated with.

### Store-prices.

The January circular of the Civil Service Supply Association reveals but few changes in the prices of drugs and allied commodities. *Advances* in price are listed for Kay's Compound Essence of Linseed, 1s. and 2s. 6d. per bottle; Soden Mineral Pastilles, 1s. per box; and tannin lozenges, B.P., 2d. per oz., 2s. 7d. per lb. French chalk is *reduced* to 2d. per lb., while special prominence is given to Bronchial lozenges,  $7\frac{1}{2}$ d. per box; Children's cough-syrup 2-oz. bottle 8d., 4-oz. 1s.; cod-liver oil, 8-oz. bottle 5d., 16-oz. 9d., 32-oz. 1s. 5d.

### Departmental Committee on Midwifery.

The first meeting of the Departmental Committee which has been appointed by the Home Office to consider the Midwifery Acts in all their aspects will be held at the offices of the Privy Council on January 20. The Chairman of the committee is Mr. Almeric FitzRoy, Clerk to the Privy Council.

### P.O. Cash-on-Delivery System.

The Post Office announces that there is now a cash-on-delivery service between Great Britain and the Bahama Islands, Bermuda, British Somaliland, Cayman Islands, Cyprus, the Fiji Islands, Gambia, Gibraltar, the Gold Coast, Grenada, Jamaica, Leeward Islands, Malta, Nyasaland Protectorate, St. Lucia, St. Vincent (West Indies), Southern Nigeria, Straits Settlements, Trinidad, and the British post-offices at Beyrout, Constantinople, Salonica, Smyrna, and Tangier.

### Idris Clubs.

It is not generally known that at the Camden Town works of Messrs. Idris & Co., Ltd., London, N.W., a successful slate-club and a mutual accident benefit club are being carried on with great success and benefit to the workers. The share-out of the slate-club amounted in 1908 to 1l. 1s. 4d., and has been as high as 1l. 6s. 8d. The mutual accident benefit club is a separate affair; for 1d. a week a member ensures a payment of 10s. a week for a fortnight in case of an accident. The surplus funds are shared out each year, and the money thus distributed has never been less than 3s.

### Scarborough Chemists and the Post Office.

The chemists of Scarborough have addressed a petition to the Town Council urging that all necessary steps should be taken to bring about a reversal of the recent order that the General Post Office, Scarborough, should be closed on and after February 1 at nine o'clock each evening instead of ten o'clock as hitherto. Mr. John Whitfield, the *doyen* of local pharmacy, was also the organiser of a requisition of tradespeople resulting in the Mayor calling a town's meeting, which was held on Tuesday evening, January 5. The resolution protesting against the earlier closing of the Post Office was entrusted to Mr. Whitfield, and the resolution was carried unanimously.

### Dry Cleaning with Petrol.

Mr. William Haydon, Chairman of the L.C.C. Public Control Committee, writes to the "Daily Telegraph" of January 4 respecting the dangers of using petrol in dry-cleaning. He points out that petrol can be obtained in almost any business street in London, and whatever warning may have reached the minds of the persons using it, it seems in a large number of cases insufficient to ensure observation of the necessary precautions. The public, he says, will probably never realise that a light many feet away may be a source of danger, on account of the inflammable vapour freely given off by petrol. This heavy vapour will travel ten, twenty, or thirty feet, along the fall of the ground or with air currents, until it reaches a light, when it flashes back and ignites the spirit from which it is evolved. He gives instances which have come to the notice of the Public Control Committee under the Petroleum Acts of serious and fatal accidents due to this property. Another danger which Mr. Haydon instances is the almost criminal carelessness of throwing petrol, after use, down a drain. He concludes by stating that dry-cleaning should be done only on the premises of a licensed dry-cleaner, where skilled workpeople are employed, suitable apparatus provided, and all precautions taken against accident.

### Contracts.

Lewes Guardians.—The Contracts Committee recommended the acceptance of the tender for drugs and surgical



appliances of Mr. J. C. Lloyd, chemist and druggist, 44 High Street, Lewes.

River Irwell Conservancy Committee.—Levinstein, Ltd., Manchester, for the supply during the year of 500 tons of iron salt, at 25s. per ton.

Chorley Town Council.—The Killgerm Co., Ltd., Cleckheaton, and the executors of Mr. Wm. Sharratt, Manchester, for the supply of disinfectants for the year commencing January 1. The inspector of nuisances has been authorised to purchase the required supplies of Izal, Cyllin, and Sanitas disinfectants.

Salford Town Council.—The following supplies to be delivered during the ensuing year: Evans Sons Lescher & Webb, Ltd., Liverpool, for drugs and medical requisites, etc., at 365*l*. 2*s*. 2*d*.; Parke, Davis & Co., London, for serums, at 286*l*. 5*s*. 6*d*.; Tennants & Co., Manchester, for about 1,800 tons of sulphuric acid to the Gas Department at 39*s*. per ton.

Messrs. W. Bates & Co., Ltd., wholesale druggists, Southampton, for the supply of drugs, etc., to the Southampton Union and Shirley Warren Infirmary. Messrs. Bates have also secured similar contracts, as well as workshop supplies, to the Royal Mail Steam Packet Co., the American Line, the Union-Castle Mail Steamship Co., and Messrs. Harland & Wolff.

#### Thefts.

At the Clerkenwell Sessions on January 6, Edgar Frank Brooks (34) was sentenced to twelve months' imprisonment for robbing his employers, Messrs. J. T. Griffin & Sons, wholesale chemists and scientific-apparatus dealers, Kemble Street, London, W.C., of small quantities of platinum and other property to the value of 92*l*.

At York on December 29, a schoolboy named Thomas Dodd was charged with stealing from Messrs. Brown, Ltd., High Ousegate, York, two bottles of glycerin-and-honey jelly, a packet of lavender lozenges, a nail-brush, and two boxes of tooth-powder. The goods were taken from a basket while the prosecutors' porter was delivering parcels elsewhere. The lad was bound over.

At the Burnley Police Court on January 2, Richard Standing was remanded on a charge of embezzling three sums of 3*s*. 2*d*. each belonging to Mr. William Veitch, chemist and druggist, 82 Colne Road, Burnley. Standing had been engaged by Mr. Veitch as salesman to sell and deliver goods and collect accounts. When arrested he was alleged to have stated that he used the money for expenses.

At Boston on December 30, Charles Dickenson, groom, was charged with stealing an overcoat, value 1*l*., the property of Mr. Arthur Shepperson, chemist, Kirton. Dickenson had been employed by the prosecutor as porter and groom, and during the cold weather a coat was supplied to keep him warm on his drives. Dickenson left, after a dispute, shortly before Christmas. He, however, refused to give up the coat, saying that it had been given to him. The Bench eventually dismissed the case and expressed the opinion that the defendant had no intention of stealing the coat, which they ordered to be restored to him by the police.

### Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

#### Personal.

Mr. W. Boulton Conyngham, F.C.S., who went to the United States last summer on behalf of Benger's Food, Ltd., is making many friends in the new country, and is doing well.

Mr. Charles L. Pilson has been appointed manager of the office of the firm of Messrs. R. J. Goff & Co., Newbridge, co. Kildare. Mr. Pilson has been branch auditor and senior accountant with Hayes, Conyngham & Robinson, Ltd., for the past five years, prior to which he was with Hamilton, Long & Co., Ltd., Dublin.

#### Chemistry Classes at Macroom.

The Technical Instruction Committee at Macroom have reported that the equipment for the chemistry class has been forwarded by the Cork Chemical and Drug Co., Ltd., and that the class is ready to begin work at any time.

### Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

#### Aberdeen and the North.

Mr. J. L. Gammie has been appointed chemist to the Banff Lodge of the Caledonian Order of United Odd-fellows.

The terrific snowstorm which prevailed in the city and district last week brought business practically to a standstill for a day or two. Chemists, as well as other shopkeepers, suffered in consequence.

Mr. J. F. Tocher, B.Sc., Ph.C., President of the British Pharmaceutical Conference, was one of a party who left Peterhead by train on Monday morning, December 28, and (thanks to the blizzard) reached Aberdeen on Wednesday evening, December 30. In the ordinary course it is about an hour's journey. Mr. Tocher was interviewed by the "Aberdeen Evening Express." He said that the train did not leave the station until the afternoon at four o'clock, and an hour and a half later stopped a mile outside Udney Station. The weather was extremely violent, and the snow was drifting in an alarming way. Mr. Tocher and his companions were fortunate enough to be provided with a chess-board, and by this means they were able to while away the time with comparative comfort. The passengers remained comfortably esconced in first-class carriages throughout the night. At 4 A.M. the electric light became exhausted. When day dawned the prospect was no brighter, and about 9 o'clock the passengers started to walk back along the line to Udney Station Hotel, where they spent the day and night. On the Wednesday morning, after breakfast, Mr. Tocher was one of a party of five ladies and six gentlemen who started to walk along the line, and after five hours' difficult walking, during which six snowed-up engines were passed, they reached Dyce, where they got a train for Aberdeen.

### Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

#### An Elusive Burglar.

A burglar at Cardiff broke into a tobacconist's shop in Queen Street on January 2. After helping himself to some calabash pipes and small silver he extended his operations to the adjoining pharmacy of Mr. D. Harries, chemist and druggist, 100 Queen Street, effecting his entry through the glass roof of the dispensary. He rifled the till, obtaining two or three postal orders for a few shillings and a cheque for 3*l*. 7*s*. (payment of which was afterwards stopped). While he was still ransacking the premises a police-constable, finding there was no electric light in the tobacconist's shop, forced the door. He then passed through and finally made his way to the adjoining dispensary, where he found the intruder preparing to escape. The man knocked the lamp out of the policeman's hand, and, slipping past him, clambered on to the roof of some outhouses. Although a cordon of twenty constables quickly surrounded the whole block, the burglar got away. A man named Daniel Richards, who was suspected of being the thief, was brought before the Magistrates on the following Monday on suspicion, and remanded pending inquiries.

### Information Wanted.

Inquiries for the names and addresses of manufacturers, or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.

160/42. Makers of eucarin tablets.

165/46. Address of agents for Van Horn & Sawtell's K & Y lubricating jelly.



## French News.

(From the "C. & D." Paris Correspondent.)

**AN UNQUALIFIED PHARMACIST'S ASSISTANT** at Selles-sur-Cher, after leaving his situation, opened a shop in the same village for the sale of "accessories." He was, however, imprudent enough to illegally practise pharmacy, and was fined 100f. by the Romorantin Court.

**GETTING AT GROCERS.**—The decision of the Lille Police Court, by which certain grocers who had sold menthol-eucalyptus lozenges were found guilty of illegal practice of pharmacy, has been confirmed by the Douai Court of Appeal, and as the case is not to be carried further, this ruling may be regarded as established.

**PHARMACY IN CORSICA.**—In a report on the administrative and commercial situation in Corsica by M. Clemenceau, which has been presented to M. Fallières, it is stated that the necessity of regulating pharmaceutical charges for medicines supplied to official departments is extremely urgent. The Corsican Pharmacists' Association has long been aware of these abuses, and has done its best to bring the few black sheep of the profession to a sense of their professional dignity.

**POISONS AND SEPARANDA.**—M. Dufau has drawn the attention of the Paris Society of Pharmacy to the question of poisons and "separanda" in the new Codex. He pointed out that as it has been laid down that the French Pharmacopœia includes all the successive editions of the Codex, much ambiguity exists. Certain remedies specified in one edition as the proper occupants of the poison-cupboard were not included in the new list, and such expressions as "Arsenic and its preparations" are very vague. M. Yvon explained that revised regulations for the sale of poisons are being considered at the Ministry and, when published, would clear up these points. A committee of five was appointed to study the questions of the "poison cupboard," etc.

**PHARMACEUTICAL PRUD'HOMMES.**—The system of jurisdiction by prud'hommes (mixed tribunals, composed of equal numbers of employers and employés, which try small technical disputes between masters and men in matters concerning sums of less than 12f.) has recently been extended, and now embraces several categories outside the actual "working classes." One result has been the candidature of two pharmaceutical workers—M. Diem, Secretary of the Syndicat des Préparateurs en Pharmacie (Assistants' Association), and M. Le Hazi, who works in a drug and chemical factory. These prud'hommes are elected for six years, and are classed by profession—the above come under the heading "Produits Chimiques." Candidates must be thirty years of age, able to read and write, inscribed on the lists of electors, or eligible so to be inscribed.

**SECRET REMEDIES.**—During a recent discussion of certain details of the new Codex by the Paris Society of Pharmacy, Professor Bourquelot, Secretary of the Revision Committee, suggested that the Society should nominate a Permanent Committee on New Remedies. This body would examine new medicaments which (not being included in the Codex) were legally considered as "secret remedies." It would annually draw up and submit to the Minister of State a report in which those considered worthy of the attention of the Academy of Medicine would be mentioned and described. A *locus standi* would thus be given to these remedies until such time as they could be incorporated in the next Codex. In reply to a question by M. Fournau as to what steps manufacturers would have to take to submit their products, it was explained that the idea was to allow the demands to reach the Academy of Medicine through the Minister of Commerce.

**TUNA-TREE GUM.**—A contract has been entered into between the Nicaraguan Government and a resident of Managua, disposing of the gum of all tuna trees in the national forests of the Republic. Previously, very small quantities of the gum had been exported, there being apparently no use for it, while the prices have fluctuated between 7 and 25 cents per lb. The fact that this concession was sought and granted would appear to indicate (says the West India Committee Circular) that some new use has been found for the gum of the tuna tree, which is of the "balata" family, and resembles the zapote tree, from which chicle is extracted.

## Canadian News.

(From the "C. & D." Correspondent.)

G. W. HILL, an Indian herbalist, has obtained \$100 damages against Detective Rose (acting for the College of Physicians) for false arrest at Brantford, Ont.

LYMAN BROS. DRUG Co.'s mill at 183 Front Street East, Toronto, took fire in Christmas week, and kept the firemen busy the greater part of one night. The loss was between \$3,000 and \$4,000, fully covered by insurance.

**ONTARIO COLLEGE OF PHARMACY.**—The half-yearly meeting of the Council was held at the College Building, Toronto, on December 7 to 11, Mr. G. E. Gibbard (President) being in the chair. The business done was largely routine in character, but some of it was exceptionally important, the latter including a report of a committee on the price of alcohol.

**IMPORTANT AMENDMENTS TO THE LAW** governing the College of Physicians and Surgeons of the province of Quebec will be asked for at the forthcoming Session of the Legislature, chiefly with a view to widening the powers of the College over their own members and the admission of new members to their body. Among other things, it asks for power to appoint commissions to make investigations into matters affecting public interest and public health, for wider powers to deal with the illegal practice of medicine, a prolongation of the term of Governors of the College, and more extensive powers for the Registrar.

THE LATE SENATOR FULFORD'S WILL is still causing trouble to his heirs in Brockville. Leave has just been granted the heirs of the estate to carry to the Privy Council the question submitted to the Ontario Courts as to Mr. Fulford's intentions as expressed by the provisions of his will. The Ontario Courts have held that the difference between the annuities allowed to each of the children till they reach a certain age, and the share of the income to which they become entitled on reaching that age, is to be thrown into the *corpus* of the estate. The children who have not yet reached the age-limit claim that the difference should be kept to their credit.

**PROPRIETARY-MEDICINE ACT.**—Rulings of the Government Department which has the deciding of what may or may not come under the labelling and registration provisions of the new Act are creating interest in the Dominion. In the case of opium, a Toronto pharmacist asked for the registration of various things, including "Powell's Balsam of Horehound and Aniseed," which contained 20 minims of laudanum per oz., or 2½ minims per dose (a teaspoonful). The object of the registration was to exclude reference to opium on the label, but this the Department refused, saying, in effect, that when the amount of laudanum in a dose is more than 2 minims the name of the poison must go on the label.

## Australasian News.

The fullest information regarding the Australasian drug-trade and pharmacy is given in "The Chemist and Druggist of Australasia," copies of which can be obtained at 6d. each, post free, from the office of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

### The Commonwealth.

**PURE FOODS.**—At the annual Conference of the Federal Council of the Australian Chamber of Manufactures, held at Melbourne on November 24, a recommendation was unanimously agreed to providing that legislation in regard to food and drugs should in each State be on similar, if not identical, lines. The recommendation also included a suggestion that provisions should be made for complete and constant intercommunication between the Food and Drugs Standard Committees.

A **PATENT-MEDICINE BILL**, prepared by the new Postmaster-General (Mr. Thomas), was mentioned at the Labour Caucus on the Ministerial policy on November 24, 1908. It is not expected, however, says the "Melbourne Argus," that the length of the Session will permit of the introduction of this and other measures mentioned, though they will stand first on the list for next Session. The "Melbourne Age" says: "The programme of business which the Prime



Minister will submit will comprise four measures (sure to be debated at length), and possibly one or two small commercial measures—notably the Patent-medicines Labels Bill, in which Mr. Thomas is interested."

### New South Wales.

**GRASS-TREE LICENCES.**—A Bill to authorise the Government to grant licences to gather grass-tree gum, etc., has passed through all its stages in the two Houses of New South Wales.

**WAGES BOARD.**—The Industrial Court sat on November 11 to hear an application by the Shop Assistants' Union of New South Wales for the appointment of a Wages Board. The Pharmaceutical Society was represented, and Mr. C. J. Carroll (President) gave evidence, the trend of which was that the chemists' business required special arrangements as to the hours of employment of assistants. No specified hour could be adopted for relinquishing business owing to emergencies caused by illness, which made chemists liable to be called upon at all hours of the night. Mr. Carroll was the only witness, and his evidence had considerable influence on the Judge, who ruled that a Pharmaceutical Shop Assistants' Board be constituted for those employed in chemists' shops throughout New South Wales. The number of the Board is to be two from each side, and the Board is to be appointed by election.

### New Zealand.

**BREACH OF THE PHARMACY ACT.**—The Managing Committee of the United Friendly Societies' Dispensary at Lyttelton were on October 28, on the information of Mr. C. W. Nielsen, solicitor to the New Zealand Pharmacy Board, fined for carrying on business as pharmacists without having the business under the management of a registered pharmaceutical chemist. A technical breach of the law was admitted.

**ASSISTANTS' DEMANDS.**—A movement is on foot in Auckland to form a Chemists' Assistants' Association. The idea is to act in conjunction with the Masters' Association for the benefit of the trade in general. The resolutions so far considered cover the following grounds:

Apprenticeship time to be increased from three to four years.

Not more than one apprentice to one master and one to each assistant; at the end of third year second apprentice to be allowed.

Regular rate of pay to apprentices for each year.

A minimum rate of pay for assistants as qualified assistant, manager, etc.

Apprentices to have passed Matriculation or Civil Service examination before being eligible for apprenticeship.

Master to be responsible for apprentice passing Section A examination.

### Queensland.

**ASSISTANTS' WAGES.**—At a meeting of the Business Committee of the Pharmaceutical Society and the committee of the Chemists' Assistants' Union in Brisbane on October 19, one of the subjects discussed was assistants' wages. The assistants did not suggest any scale of payment for apprentices, the minimum being already fixed by law at 5s., 7s. 6d., and 10s. per week. The following are the minimum salaries for assistants out of apprenticeship:

Juniors (under twenty-one), 30s. per week.

Juniors (over twenty-one), 40s. per week.

Juniors who have passed the Intermediate examination, 45s. per week.

Qualified men, 60s. per week.

In considering this it was recognised that the Factories and Shops Act permits special terms in the case of old, slow, and infirm workers; also that assistants who are preparing for examination, and who desire to work less than the full number of hours, so that time might be given to study, would be entitled to wages *pro rata* on the basis of wages for a full-time assistant of the same grade.

### South Australia.

**MR. JOHN WHITE'S PICTURE.**—"The Pioneers' Anchorage, Nepean Bay, Kangaroo Island," at the Federal Art Exhibition in Adelaide was placed first on the list by the authorities for purchase for the Adelaide Art Gallery; price, fifty guineas. Mr. White is a pharmacist, and President of the Pharmacy Board.

### Tasmania.

A SATURDAY HALF-HOLIDAY is proposed for all retail businesses in Tasmania by the Shops Half-holiday Bill now before Parliament. A few shops, including chemists' and druggists' (except as to calls of urgent necessity), are to be closed from 1 P.M. till 7 P.M. on Saturday.

### Victoria.

**PHARMACY BOARD ELECTION.**—On February 9 an election will be held to fill the vacancy caused by the death of Mr. A. J. Owen, and to serve the remainder of his term until February 12, 1911; another to elect two persons in place of Messrs. R. P. Francis and F. J. Bennell, who are retiring by effluxion of time, and are eligible for re-election. It is some years since there has been any election.

## South African News.

(From the "C. & D." Correspondents.)

**Note.**—"The Chemist and Druggist" is regularly supplied by order to all the members of all the Pharmaceutical Societies in British South Africa, viz.:

South African Pharmaceutical Association.

Pharmaceutical Society of Cape Colony.

Natal Pharmaceutical Society.

Transvaal Pharmaceutical Society.

Rhodesia Pharmaceutical Society.

Northern District Chemists' Association.

Pharmaceutical Society of Orange River Colony.

### Cape Colony.

**STAMPING PATENT MEDICINES.**—According to "South Africa" for January 1, the 1908 Stamps and Licences Act is causing trouble among the large storekeepers as well as the smaller general dealers. The manager of Messrs. Stuttford & Co., Cape Town, was charged recently with having sold a cake of medicated soap unstamped without having a licence for that purpose, he not being a chemist and druggist. A nominal fine of 5s. was imposed on the understanding that a patent-medicine licence would be applied for at once. Our contemporary remarks that the Government appear quite determined to enforce the Act in all respects.

**FOREIGN TRADERS IN THE COLONY.**—The Secretary of the British and Foreign Manufacturers' Representatives' Association of South Africa has sent to Sir W. Hely Hutchinson, Governor, for transmission to the Colonial Secretary in London, a lengthy letter in reference to the charges for general dealers' and importers' and agents' licences. The letter especially represents that the licences to agents of foreign firms in Cape Colony have been far more than doubled. The grievance is declared to be all the greater as the licence charge is not on a graduated scale, as in the case of an importer, but the same sum must be paid by the agent earning 200l. a year as by the agent earning 1,000l. or more. The letter strongly urges that the whole question of the licence to agents for foreign firms should be reconsidered on its merits at the earliest possible date.

**INTOXICATING MEDICINES SALES ACT.**—This Act (No. 35) is promulgated by a proclamation in the Government Gazette of December 11, 1908, having been passed by the Legislative Council and House of Assembly in September last. Clause 1, which is virtually the Act, reads:

It shall be lawful for the Governor from time to time to proclaim in the Gazette the names or descriptions of medicines which contain liquor within the meaning of Section 3 of the Liquor Licensing Act, 1883, and any licensed general dealer or other licensed dealer who, as such, shall thereafter sell to any person other than a licensed dealer any such medicines, except for medicinal purposes, shall be deemed to have sold liquor without a licence, in contravention of the said Act, and shall, on conviction, be liable to the penalties by law provided, anything to the contrary in Section 5 of the Stamp Act, 1877, notwithstanding.

Provided that no such dealer shall be liable to conviction under this section, if it shall be proved that in selling any such medicine he reasonably and *bona fide* believed that the said medicine was really required for medicinal purposes only, and that no person shall be prosecuted under this section without the fiat of the Attorney-General, Solicitor-General, or Crown Prosecutor within their respective jurisdictions.



Clause 2 states that the date on which the Act is to take effect will be proclaimed later, while Clause 3 entitles the measure as the "Intoxicating Medicines Sales Act (1908)," and that it shall be read as one with the "Liquor Laws (1883-1898)" and the "Liquor Law (1904)." The first list of medicines, which appears in a schedule published in the same issue, is as follows:

Buchu essence,	Pain Killer.
Chlorodyne,	Pijnstillende droppels.
Coca wine,	Roodde lavendal or red lavender.
Coleman's Wincarnis,	Versterk droppels.
Gember essence or Jamaica Gember,	Witte dulcis or Sweet spirits of nitre (spiritus nitre dulcis).
Hoffmann's droppels,	Wood's great peppermint cure.
Kraam droppels,	
Kramp droppels,	
Maag bitters,	
Orsmond's S.A. remedy,	

### Orange River Colony.

**O.R.C. PHARMACEUTICAL SOCIETY.**—The annual general meeting took place in Bloemfontein on December 8, the President (Mr. S. S. Hewitt) being in the chair. Messrs. Auld, Dinwoodie, Dunkerton, Hutcheson, Jeffreys, Lyall, Main, Reid, and Taylor were also present. The business of the meeting was to appoint new officers for the forthcoming year, and the following were elected: Mr. F. Carter (President), Mr. J. Main (Vice-President), Mr. A. Auld (Treasurer), Mr. E. B. Dunkerton (Secretary), and Messrs. Dinwoodie, Hewitt, Reid, and Taylor (committee). A vote of thanks to the retiring officers was accorded. The new President having addressed a few remarks urging members to bring forward some interesting papers during the next year, the meeting closed.

**MEDICAL AND PHARMACY COUNCIL.**—The monthly meeting was held in Bloemfontein on December 11, the President (Dr. A. B. Ward) occupying the chair. All the members attended—viz., Drs. Bidwell, Daniel, De Kock, Johnson, Swift, and Pratt-Yule, Mr. Redpath (dentist), and Messrs. Dinwoodie, Hewitt, and Jeffreys (chemists). The report of the sub-committee appointed to consider the question of regulating the sale of patent and proprietary medicines, electric belts, and other surgical appliances was laid upon the table. The recommendations are, briefly, as follows: The publication of a schedule of prohibited drugs. This is a modified poison schedule with the addition of antifebrin, poisonous glucosides, and alcohol when present to a greater extent than 20 per cent. Every proprietary medicine containing a prohibited drug must be distinctly labelled with the name and proportion of the drug. Various misbranding clauses are also recommended to stop unscrupulous advertising. It is recommended that chemists shall have adequate representation on the Board which will administer the proposed Act, and that the Board shall have the power to prohibit the sale of any article on cause being shown, appeal against which decision may be made to the High Court. The importation of articles coming under the Act is to be confined to licensed (patent-medicine) dealers, doctors, and dentists. The term "proprietary medicine" is defined at length with complete exemption for simple drugs sold as such with any necessary excipient added, medicines sold by a chemist compounded by himself, for which no proprietary rights are claimed, and known, admitted, and approved remedies prepared from formulae authorised by the Medical and Pharmaceutical Council. The recommendations are to be forwarded to the Pharmaceutical Society and the Medical Society of the O.R.C. for their consideration before the next meeting of the Council in January, when the whole matter will be discussed with a view to recommendations being sent forward to the Government.

### Rhodesia.

**MESSRS. LENNON, LTD.,** are erecting a large building in Gatooma, in order to supply the mines of that district.

### Transvaal.

**MESSRS. SMITH, RIVE, & CO., LTD.,** chemists, have disposed of their branch at the corner of Kerk and Joubert Streets to Messrs. C. Beeles & Co. This branch was managed by Mr. F. W. Wileman for several years.

**MASONIC INSTALLATION.**—Mr. J. Sowden, chemist, Rondebosch, was installed W.M. of the Rondebosch Lodge on

December 2 for the ensuing year. A goodly number of Mr. Sowden's business *confrères* were present, and the newly elected W.M. expressed his gratification at their presence and support in his speech at the subsequent banquet.

**STRYCHNINE PILLS AS SWEETS.**—At the inquiry at Fordsburg, on December 3, into the death of Nike Brimick, the two-year-old son of European parents, it was elicited that he had eaten some pills containing strychnine. The pills were of the Easton's Syrup type, and the child took them for sweets. He died within an hour of swallowing them. A verdict of death from misadventure was returned.

**PHARMACEUTICAL SOCIETY OF THE TRANSVAAL.**—A highly successful smoking-concert was held at the Grand National Hotel, Johannesburg, on December 8, at which about 150 members and friends were present. The President (Mr. Austin Purnell) occupied the chair, and among the company were Messrs. R. Butters, J. H. Dinwoodie, C. Keir, E. L. Ralling, Jas. Johnston, A. Rennie, L. Thomas, A. Macdonald, J. Christie, W. B. Marshall, W. Easterbrook, H. L. Karnovsky, W. A. J. Cameron, P. Drummond, J. A. Williamson, Hogan, R. Neilson, J. W. Hull (Parke, Davis & Co.), and S. M. Hendry (Hon. Secretary). A varied programme of high artistic merit was given by the following gentlemen: Messrs. H. M. Hetherington, R. Neilson, J. W. Hull, Irvine, Fred Russell, Geo. Mason, Geo. McInnes, and Messrs. Arthur Cartwright, Wm. Everard, and Jack Morrison, of the Wheeler-Edwards Co. During the evening the Chairman congratulated the members on the satisfactory way in which the new Shop-hours Act was being carried out. The Act would undoubtedly prove a boon to both employer and employé in giving them an opportunity for healthy recreation. A hearty vote of thanks to the Chairman, who was accorded musical honours, brought the proceedings to a close.

## American Notes.

(From the "C. & D." Correspondent.)

**INFAMOUS CONDUCT.**—In at least five or six States throughout the country it is provided in the laws that the registration certificate of a pharmacist may be suspended or revoked if he is found guilty of violating the Liquor, Pharmacy, or Anti-narcotic Acts. Pennsylvania is now anxious to have such a penalty provided for, and will ask it at the forthcoming session of the State Legislature.

**COUNTER-PRESCRIBING** is apparently much more frequent, and more readily excused, in Great Britain than in the United States. The other day a pharmacist in Baltimore, Maryland, was convicted on this charge and was fined \$20 and costs. His offence was in furnishing a man with a proprietary salve who asked for something for a boil, but unfortunately the pharmacist not only charged 25c. for the salve but imposed an additional charge of \$1 for professional advice.

**EDUCATIONAL PROGRESS.**—The various pharmaceutical schools of the United States are more and more becoming parts of universities. Thus the Cleveland School of Pharmacy, of Cleveland, Ohio, heretofore a successful independent institution, has become affiliated with Western Reserve University. The University of Nebraska, too, has just established a Department of Pharmacy. There are now nearly ninety schools and colleges of pharmacy in the United States.

**APPRENTICE REGISTRATION.**—In the State of Illinois an apprentice must register with the State Examining Board before he will be given any credit for drug-store "experience." The Board also has the right to subject such apprentices to examination, and it has now decreed that it will proceed to an examination in every case where the candidate is not able to show that he has graduated from a grammar school, which a youth leaves at the age of thirteen or fourteen years.

**PATENT MEDICINES** still continue to be the subject of sensational attacks in America. Dr. Vaughan, dean of the Medical Department of the University of Michigan, and a man of international reputation, recently declared that most patent medicines contain cocaine and morphine, and that nearly all of them are so heavily charged with



alcohol that they are really liquors in disguise. President Cheney, of the Proprietary Association of America, indignantly denied these charges and proved pretty conclusively that Dr. Vaughan was indulging in those exaggerated statements for which scientific men are sometimes famous.

**THE BRITISH PATENT ACT.**—The New England Section of the Society of Chemical Industry at its meeting on November 21 considered the question of "Patents." Mr. Frederick P. Fish, until recently the President of the American Telephone and Telegraph Co., who gave up the presidency to return to the practice of law, spoke on the new English Patent Act. He favoured the enactment of a similar Act by Congress. He favoured restricted patent legislation, yet he felt that greater harm is likely to result at the present time from retaliatory measures than could be offset by the gain from the working of foreign patents in the United States.

**FOOD AND DRUGS ACT.**—The wording of the guarantee on medicines and foods which have passed the official inspection is to be changed from "Guaranteed under the Food and Drugs Act" to "Guaranteed by the manufacturer to be in accordance with the requirements of the Food and Drugs Act." The original wording may not now be registered as part of a trade-mark, according to a recent decision of the Commissioner of Patents. Makers of proprietary medicines in the United States are troubled over the section of the Canadian Proprietary Medicines Act which provides that no medicines may be "imported, exposed, sold, or offered for sale in Canada which bear any representations as respects certificates issued under any" foreign Government different from that allowed by the Act. This bars the use of the United States guarantee on American medicines sent to Canada.

**INTERSTATE RECIPROCITY.**—Chemists in Great Britain should understand that under our system of government each state has complete sovereignty over its own affairs, and consequently that there are forty-six or forty-seven State Boards of Pharmacy for the examination of candidates for registration as pharmacists. The National Association of Boards of Pharmacy, created three or four years ago, has sought to bring about something like uniformity between these numerous bodies, and also to accomplish interstate reciprocity. A further step has now been taken in the organisation of sectional associations, each representing the boards of four or five neighbouring states. At least two organisations have recently been created, and are doing excellent work within their local limitations. The time will come when harmony, unity, and co-operation will result despite the existence of so many separate sovereignties, and it may be added that this is simply one phase of national unity which is being gradually realised in every department of our life as a country.

## Festivities.

### Manchester and North of England Optical Society.

This Society held a very successful *conversazione* at the Headquarters, the Albion Hotel, Piccadilly, Manchester, on January 6. There was a large attendance of members and their lady friends. The entertainment was almost entirely musical, and the music, both vocal and instrumental, was of a high order. The President of the Society (Mr. J. C. Kidd) addressed a few words of welcome to the guests, and at the close conveyed the cordial thanks of the company to the performers and vocalists.

### The "Extract" Dinner.

The twenty-fifth annual "Extract" dinner of Messrs. Newball & Mason, wholesale druggists and botanic-essence manufacturers, Nottingham, took place on December 30, 1908. Mr. Deaville occupied the chair in the absence of Mr. Mason through ill-health. After dinner an excellent musical programme was entered upon, the items including a humorous sketch, "That Brute Simmons," rendered by the Mason-Deaville Dramatic Club, this being their fifteenth production. Recitals by Messrs. A. C. Smith and J. W. Wakerley and songs by Messrs. Butler, Whyman, Rockley, Cox,

Brown, and Harrod were ably rendered, while Mr. A. E. Smith proved a diverting character comedian. The programme, tastefully produced in the firm's printing-office, was enriched with gems from the poets, and altogether the "silver wedding" dinner and concert proved one of the best.

### B. W. & Co. Christmas Party.

The annual gathering of members and friends of the staff of Messrs. Burroughs Wellcome & Co. was held at the Wellcome Club and Institute, Dartford, on January 2. The club-house was beautifully decorated with holly, tiny Christmas-trees, and other evergreens from the grounds. The grand staircase, which forms so prominent a feature of the hall of this old manor-house, was wreathed with frosted evergreens, and, when filled from top to bottom with guests sitting-out between the dances, presented an attractive and animated spectacle. Dancing took place in the hall and in the adjoining dining and music rooms, and the smoking-room was used for supper. Each guest was masked on entering, and up to the end of the first dance, an innovation which led to many surprises. The long dance-programme was interspersed with several novel and interesting features, including an amusing series of tableaux representing well-known advertisements, and a humorous stump-speech on the events of 1908. The general manager and prominent members of the London and Dartford staffs were present. The works manager, Dr. Jowett, officiated as M.C.

## Coming Events.

Notices for insertion under this heading should be received by the Editor on Wednesday of each week.

### Tuesday, January 12.

*Oldham Pharmaceutical Association*, Oriental Restaurant, at 7.30 p.m. Mr. F. Newby on "Advertising."

### Wednesday, January 13.

*Chemists' Forty-third Annual Ball*, Wharcliffe Rooms, Great Central Hotel, London, N.W., at 9 p.m. Tickets (lady's, 12s. 6d.; gentleman's, 17s. 6d.; double, 25s.) from Mr. F. U. Stamp, 29 High Street, Hampstead, N.W.

*Manchester Pharmaceutical Association*, Victoria Hotel, at 8 p.m. The subject will be "Pharmaceutics," and the Hon. Secretary (Mr. Jas. Grier, The University) invites contributions. Mr. J. W. Walton will give an analysis of 2,000 recent prescriptions.

*Edinburgh Chemists', Assistants', and Apprentices' Association*, 36 York Place, at 9.15 p.m. Mr. W. Hope Fowler, M.B., F.R.C.S.E., on "Some Electrical Problems."

*Newcastle-on-Tyne Chemists' Association*. Annual Dinner.

### Thursday, January 14.

*London Chemists' Association*, The Horns, Kennington Park, S.E., at 3 p.m. Mr. J. C. Pentney on "The History of the Poisons and Pharmacy Bill and how it will Affect London and Country Chemists."

*West Ham Chemists' Association*, Earlam Hall, Forest Gate, London, E., at 3.30 p.m. Mr. W. F. Gulliver on "The Objects of the Pharmaceutical Defence Union." The hours of Sunday closing will also be considered.

*Glasgow and West of Scotland Chemists' Association*, 51 West Regent Street, Glasgow, at 8.30 p.m. Social evening and lecture by Mr. J. Bliss on "Experiences of a Pharmacist in India." Tickets, 1s. 3d. each, from the Hon. Secretary, Mr. A. McMillan, 623 New City Road, Glasgow.

*Association of Women Pharmacists*, Gordon Hall, Gordon Square, London, W.C., at 8 p.m. Miss J. Mitchell will read a paper on the annual meeting of the National Council of Women of Great Britain and Ireland at Aberdeen. Mrs. Freke will report on a meeting of the Joint Committee (an outcome of the Workers' Educational Association) on "Oxford and the Education of Workpeople."

*Chemists' Assistants' Association*, 73 Newman Street, London, W., at 9 p.m. Mr. W. A. Whatmough, lantern-lecture on "Plant Pollination."

*North Staffordshire Chemists' Association*, North Stafford Hotel, Stoke-on-Trent. Annual dinner, at which Mr. J. R. Young, President of the Pharmaceutical Society, will be present.

### Friday, January 15.

*Dundee Chemists' Assistants' and Apprentices' Association*, Medical School, Small's Wynd, at 9.15 p.m. Professor C. R. Marshall on "Emulsification."



## Legal Reports.

### Trade Law.

**Patents Act, 1907.**—The Comptroller-General of Patents, Designs, and Trade-marks has revoked letters patent granted in 1896 for an American invention (a lock-stitch sewing-machine), parts of which were manufactured outside the United Kingdom and collated in this country with other parts manufactured here. It is reported that this and other decisions by the Comptroller-General are likely to result in a crop of appeals before Mr. Justice Parker. Three patents have been revoked, and seventeen applications are pending.

**Railway Companies' Delivery Notes.**—At the Blackburn County Court on January 4, while a railway case was under review, it transpired that the company's servants were supplied with delivery-notes which did not contain the names of the firms who sent the goods. The result was that in one instance a customer, taken unawares by goods sent by one of his wholesale firms, declined to accept them in the absence of the name of the consignor, which the carter could not supply. The railway company were now sued by the wholesaler. The Judge thought it was in the interests of the trading public that the identity of the sender should be revealed in the delivery-note, and after counsel's argument he gave a verdict for 1*l.* above the amount paid into court, and hoped the company would devise some means whereby the carter, at least, would be able to supply the information.

**Obscene Prints Act.**—At Bow Street Police Court on January 6, Rebman, Ltd., publishers, Shaftesbury Avenue, London, were summoned before Mr. Curtis Bennett to show cause why 272 copies of a book called "The Sexual Life of Our Time" should not be destroyed under the powers of this Act. It was explained that the book is a translation of a German scientific work by Dr. Bloch, which had been reviewed by the medical journals. It was not suggested that the book is not of scientific interest, but a copy of it had been sold to Detective-Inspector Laurence, of Scotland Yard, without inquiry. The magistrate remarked that the book was published with the best intentions, but a book of this character should not be sold openly to the public. He ordered the books to be destroyed and the payment by the defendants of 5*l.* 5*s.* costs. Mr. Bodkin gave notice of appeal, and the books were ordered to be impounded pending the decision of the superior court.

### Dentists Act.

#### MR. C. GOODMAN SUMMONED.

At the Portsmouth Police Court on January 5, Colonel C. Lanyon Owen, Mr. James Melrose, C.B., R.N., and Mr. A. Grigsby being on the bench, Charles Goodman, 5 Victoria Crescent, Victoria Road, Southsea, was summoned at the instance of the British Dental Association for using the following description:

#### IMPORTANT PUBLIC NOTICE.

Mr. Goodman begs to notify that he may now be consulted personally upon all matters affecting the preservation of the teeth, and that where desired aching and decayed teeth can be extracted by the latest method which is absolutely painless, etc.

It was contended that this implied that he was a person specially qualified to practise dentistry, contrary to Section 3 of the Act. It was intimated that the defendant's solicitor was unable to appear, and the case was again adjourned for a week.

#### MR. SEQUAH AGAIN.

At Portsmouth on January 5, Alexander Middleton Sequah, of 23 Lake Road, Landport, was summoned, at the instance of the British Dental Association, with practising as a dentist without being registered as a dentist or as a medical practitioner. Mr. Agassiz, who prosecuted, stated that defendant had represented himself to be a fully qualified dentist. In his windows and about his premises he had placards worded thus:

Artificial Teeth Made. Advice Free.

Teeth Carefully Extracted without Pain by Nitrous-Oxide Gas.

It was contended that this was holding himself out to be a qualified dentist within the meaning of the decision in *Barnes v. Brown*. Defendant denied that he had any notice relating to nitrous-oxide gas. He never administered the gas. At the instance of the Association he had removed all the notices complained of, and he thought it amounted to persecution rather than prosecution that the Association should summons him again after having recovered a penalty from him at Ryde the previous week. As to this registration

of dentists, it was all bunkum, a fraud, and a foolish imposition. For every dentist registered there were five who were not, and all capable men. The Chairman (Colonel Owen) said as this was the first case of the kind, and wishing to support the Association without doing an injustice to the defendant, they would but impose upon him the nominal penalty of 7*s.* 6*d.*, to include the costs.

### Veterinary Surgeons Act.

At Liskeard on January 4, William Bartlett, a butcher, was fined 10*s.* and costs for infringing Section 17 of the Act. He had on the label of a drench set forth that it was carefully prepared, and that it was supplied only by William Bartlett, butcher and veterinarian.

### Merchandise-marks Act.

#### WHAT IS BURGUNDY?

At Greenwich Police Court on January 3, before Mr. Gill, this question came up once more on a summons taken out by the Wine and Spirit Association against Antony Camoccio, a restaurateur, of New Cross Road, who was charged with applying the description "Burgundy" to a red wine which did not originate in the province of Burgundy. Evidence was called to prove that the wine from that province has a special flavour and bouquet which is not obtained when Burgundy vines are grown elsewhere. The summons was adjourned.

### Refreshment-houses Act.

#### SELLING SARSAPARILLA-WINE.

At Clerkenwell Police Court on January 1, George Atkins, herbalist, Holloway Road, London, N., was summoned by the Inland Revenue authorities for keeping a refreshment-house open without a licence between August 29 and September 30, 1908. An Inland Revenue officer proved purchasing a penny glass of sarsaparilla-wine at the defendant's premises after 10 P.M. He had no refreshment-house licence. Mr. James Robins, Government analyst, said that the sample was a cane-sugar solution, flavoured with some acidulated vinegar. There might be some sarsaparilla present, but it was too slight to detect. It was nothing like the British Pharmacopoeia article. The defendant said he thought his general licence as druggist covered all he required. He generally closed at 10 P.M., and sold saline drinks and so on. Mr. Bros imposed a fine of one guinea, to cover the licence, with 2*s.* costs. [The name of the defendant is not on the register of chemists and druggists.]

### Sale of Food and Drugs Acts.

#### FLUID MAGNESIA.

At Marlborough Street Police Court, before Mr. Mead, on December 31, Mr. J. P. Ellerington, pharmaceutical chemist, trading with a partner as Crowe & Co. in Air Street, Piccadilly, was summoned, under Section 6 of the 1875 Act, for selling on November 12 "fluid magnesia" which was alleged to be 76 per cent. deficient in carbonate of magnesia. Mr. Rotton prosecuted for the Westminster City Council, and Mr. C. H. Kirby appeared for the defence.—Mr. Kirby took objection to the form of summons and the analyst's certificate, pointing out that the weight of the substance analysed was not stated on the certificate nor did the analyst state whether the article (one exceptionally prone to decomposition) had undergone any change. For these reasons, he argued, the summons must fail.—Mr. Rotton was not sure whether any change in the sample had taken place. He thought that this article, if not properly corked, was liable to oxidation and precipitation. After consideration he offered no evidence, and Mr. Mead (who signified his agreement with Mr. Kirby's contention) dismissed the summons.

#### QUININE-WINE.

At the Bow Street Police Court, before Sir Albert De Rutzen, on January 1, Cornelius F. Sargeant, grocer, Rupert Street, was summoned, under Section 6 of the 1875 Act, for selling quinine-wine which contained only one-tenth grain of quinine in a pint. Mr. Rotton supported the summons on behalf of the Westminster City Council, and Mr. F. W. Beck appeared for the defendant. The article sold was "St. Raphael quinquina," which Mr. C. H. Cribb, B.Sc., F.I.C., a public analyst for Westminster, found to be practically devoid of quinine. His analysis was only directed to finding a definite portion of quinine.



Mr. Beck, for the defence, said that when the woman asked for quinine-wine the defendant's assistant told her distinctly that he had none, and she agreed to take a tonic wine instead. Therefore there was no sale to the prejudice of the purchaser, which was the essence of the offence in a case of this kind. The mere statement that it was not quinine-wine would be sufficient in itself, but the label on the bottle completed the defence. Quinquina, which meant cinchona-bark, was well known on the Continent, and no one would suppose that it contained quinine, although cinchona was one of the sources from which it was obtained.

Evidence was then called, among the witnesses being Mr. George McKechnie, of Messrs. Bowen & McKechnie, Finsbury, who said that quinquina is well known on the Continent, and is also sold in England. In some of the English advertisements it was distinctly stated that it must not be confused with quinine, although it contained a certain proportion of quinine. Quinquina had to pay a duty, and was about double the price of quinine-wine.

Sir Albert De Rutzen said that he would consider the case, and give his decision this week.

#### BORACIC LOTION.

At the Edgware Petty Sessions on January 6, Walter T. Cooper, chemist and druggist, 32 High Street, Wealdstone, was summoned by Mr. R. A. Robinson, chief of the Public Control Department of the Middlesex County Council, for selling a compound of ingredients—viz., boracic lotion—which was deficient in boracic acid to the extent of 33.23 per cent. of boracic acid. There was a further summons for selling an article which was not of the nature, substance, and quality demanded. Mr. Robinson conducted the case for the County Council, and, in answer to the Bench, the defendant said he pleaded guilty. Mr. Robinson stated that defendant is a chemist who carries on business as the Wealdstone Drug-stores. One summons was taken out under Section 6 and the other under Section 7. He asked for a conviction under Section 7, and for the other to be withdrawn. Under Section 7 the offence was for selling a drug not in accordance with the demand of the purchaser. A prescription was taken containing only boracic acid and rose-water. There was only two-thirds of the acid there should be. Section 6 was the usual section, and if they failed under Section 7 he would ask to go with the other. He was not there to suggest that this was an important thing, but under the Act they had to test the accuracy of the chemist, and this was a case probably of carelessness. He believed Mr. Cooper had a high reputation as a chemist. Evidence was given as to purchase, and Mr. Edward Bevan, F.I.C., F.C.S., the county analyst, deposed that on analysis he found that the lotion contained 120 instead of 180 grains of boracic acid.

The Bench desired to know whether it was alleged that the quality was poor or the weight too little.

Mr. Robinson did not know what it was. He had suggested carelessness.

Defendant said there was no question of quality. It was in the weighing. For a long time he was unable to make out the cause of the error, but, on examining the weighing-machine, found the marble slab moved, and with the slightest weight went down. The scales were examined regularly and by a firm of scale-makers, and it was only just before that the inspector had examined the scales and found them correct; but at the moment of this purchase the scales were not correct. For over thirty years he had been in business, and experience had taught him the exact quantity to half an ounce. He put some on the scale and it went down. Steps to prevent this again occurring had been taken.

The Bench held there was no intention to do anything wrong, and the defendant must pay the costs.

Mr. Robinson asked for the analyst's fee.

Defendant was of opinion that that came out of public funds.

Mr. Carlyon, who presided, said defendant must pay the fee for making the analysis—17s. 6d. in all.

#### County Court Case.

##### A DENTAL ASSISTANT'S DISMISSAL.

At the Blackburn County Court, on January 4, James Birch, French Road, Blackburn, sued Merrills, Ltd.,

artificial teeth manufacturers, Preston New Road, and Henry Whitehead Merrill, manager of the company, for 60% for wrongful dismissal from defendant's employment. Plaintiff's evidence was that he was engaged by the defendants in August 1907 at 30s. a week. He paid a premium of 20% to be taught the business. In October last plaintiff received a letter from H. W. Merrill dismissing him in the following terms:

It has come to my knowledge that while you have been in our employ, and receiving wages from us, you have been systematically, and for a considerable time, getting orders and doing work for yourself, as well as working in conjunction with another person. In other words, you have been receiving our money while you were working for a rival firm. I have ample proof to substantiate these statements, therefore I demand that you leave our employment immediately. I am also writing our solicitor, giving him particulars of the case, together with instructions to take whatever proceedings he may deem necessary.

Plaintiff denied the allegations, but admitted in cross-examination that he had fitted artificial teeth for one person, and given them a receipt signed in the name of another firm. This was while he was in the employ of Messrs. Merrill, and he admitted using some of Merrill's materials and instruments for the purpose. He was, however, allowed to take certain materials in order to practise the business. He had done the work in his own time, out of kindness to a fellow employee who had been dismissed.

Judge Hans Hamilton, after hearing all the evidence, declared plaintiff nonsuited as he had not made out his case.

## Gazette.

### Partnerships Dissolved.

BERNARD, B. G. J., and PARSON, W. M., extractors and adaptors of teeth, High Road, Kilburn, London, N.W., Aldershot, Hants, Gravesend, Kent, Epsom, Surrey, and Watford, Herts, under the style of Bernard & Parson.

BLOXSONE, G. W., and LIVSEY, G. H., veterinary surgeons, Hove, Sussex, under the style of Bloxsome & Livesey.

BOURDAS, I., and BOURDAS, I., junr., chemists, etc., Pont Street, Belgravia, and Belgrave Road, Pimlico, London, S.W., under the style of Bradley & Bourdas.

BURRELL, J. R., and THOMPSON, M., disinfectant manufacturers, Basinghall Avenue, London, E.C., under the style of Whalley's Sanitary Fluid Co.

CATTELL, H. W. J. G., and Birkett, H. J. D., Southsea, under the style of Cattell & Birkett, medical practitioners.

FRASER, E., SHAPLAND, J. D., and BAIRD, J. W. W., under the style of Fraser, Shapland & Baird, Brixton, London, S.W., medical practitioners; so far as regards E. Fraser.

FRENCH, H. H., LAMBERT, A. E., DUNCAN, A. E., and BATES, T. E. C., produce brokers, Mincing Lane, London, E.C., under the style of French & Plucknett; so far as regards A. E. Duncan.

HAMEL, F. E., and HORLEY, E. E., merchants, Fenchurch Street, London, E.C., under the style of Hamel & Horley.

HARVEY, R. K., HARVEY, R. M., and HOWIE, W. L., wholesale druggists, Giltspur Street, London, E.C., under the style of Barron, Harveys & Co.

SANGUINETTI, F., and STEVENSON, G. M., chemists, West Ealing, Middlesex, under the style of Sanguinetti & Stevenson.

STRAWSON, G. F., and STRAWSON, W. J., chemical-manufacturers, etc., Queen Victoria Street, London, E.C., under the style of Strawsons.

WOODHOUSE, H. M., WOODHOUSE, C. A., and WOODHOUSE, R. B., Colonial brokers, Mincing Lane, London, E.C., under the style of C. M. & C. Woodhouse; so far as regards Rowland Berkeley, Woodhouse.

## Bankruptcy Reports.

*Re* JOHN PRICE, 43 Tontine Street, Folkestone, Chemist and Druggist.—The debtor appeared for his public examination at the Canterbury Bankruptcy Court on December 31, 1908. Particulars of the failure were given in the *C. & D.*, December 5, p. 854. Debtor now related these, adding that he attributed his insolvency to the competition of company shops, which compelled him at times to sell at cost price. His books would not show his actual financial position. He had tried



to dispose of the business, but without success. The examination was closed.

**Re GEORGE GENGE ANDREWS, 33 Church Street, Twickenham.**—The public examination of this debtor took place before Mr. Registrar Ruston at the Court House, Half Acre, Brentford, last week (see *C. & D.*, December 26, 1908, p. 964). The debtor in reply to Mr. Cecil Mercer, Official Receiver, said he was not actually a chemist, but only a druggist, and as such he was unable to sell poisons and make up prescriptions, although he had done so and had been fined 10*l.* and costs on two occasions, the proceedings being taken by the Pharmaceutical Society. Debtor then explained his purchase of the business, as already reported, and added that he expected that his uncle (a retired chemist) was to give him further help, or he would never have commenced the business. The only expectation he had of paying his debts was through his business. The word "chemist" was over the shop when he bought the business, but he had it taken down because a druggist was not supposed to trade as a chemist. He added that Twickenham was not a good place for business, and there were three old-established chemists in the district. He could not say what his profits were, but he took about 13*l.* a week, and his expenses of rent, rates, and taxes were about 100*l.* a year. The Official Receiver: That left you a good margin?—Debtor: About 2*l.* 10*s.* a week. The 13*l.* was the best week, the average being about 7*l.* He did not keep proper books or take stock.

## New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

**WEST OF ENGLAND SHIP-STORE CO., LTD. (P.C.).**—Capital 1,200*l.* To carry on *inter alios* the business of chemists, druggists, etc.

**WRITTLE MANUFACTURING CO. LTD. (P.C.).**—Capital 10,000*l.* Oil and chemical manufacturers, refiners, etc. R.O.: 120 Bishopsgate Street Within, E.C.

**H. I. DALE & CO., LTD. (P.C.).**—Capital 2,000*l.* Oil, tallow, soap, chemicals, etc., importers and furnishers. A. Voigt and H. I. Dale are managing directors. R.O.: 6 Billiter Street, E.C.

**NEW LIFE LABORATORIES, LTD. (P.C.).**—Capital 3,000*l.* Makers, proprietors and vendors of "Dr. Muller's New Life" and other remedial preparations. R.O.: 61 New Oxford Street, W.

**NATIONAL TEETH INSTITUTE, LTD.**—Capital 2,000*l.* To take over the business of J. S. Webber, artificial-teeth manufacturer, extractor and adaptor, 170 Oxford Road, Manchester. The first directors are J. S. Webber and Mrs. S. Webber.

**SCOTTISH CHEMICAL CO., LTD.**—Capital 10,000*l.* To purchase the business of Thomas Robertson, trading as the "Scottish Chemical Co." Greenock. The first directors are T. Robertson and C. A. Pulsford. R.O.: 43 Wellington Street, Greenock.

**BRITISH RADIUM CORPORATION, LTD.**—Capital 40,000*l.* To acquire mines and extract and produce therefrom radium, thorium, etc. The first directors are W. B. Place, B. Gott, F. W. Braune, C. F. J. Butler, H. E. McCardle, C. A. Coulnden, and F. Webster. R.O.: Salisbury House, Finsbury Circus, E.C.

**SOUTHERN COTTON OIL CO. OF GREAT BRITAIN, LTD. (P.C.).**—Capital 21,000*l.* The first directors are L. W. Hoskell, T. S. Young, and E. E. Coles (nominated by the Southern Oil Co., incorporated in New Jersey), and D. T. Boyd and H. H. Boyd (nominated by David T. Boyd & Co.). R.O.: Dunster House, Mincing Lane, E.C.

**STANDISH CHEMICAL CO., LTD. (P.C.).**—Capital 10,000*l.* To take over the business carried on by J. Peak and H. Peak at Standish-with-Iangtree, near Wigan, Lancs, as the "Standish Chemical Co." The first directors are J. Peak, H. Peak, C. P. Peak, and E. Lyon. R.O.: Standish Lower Ground, Standish-with-Iangtree, near Wigan, Lancs.

**GOLDY STOPPER CO. (1908) LTD.**—Capital 120,000*l.* To adopt an agreement between E. Goldstein, the Goldy Stopper Syndicate, Ltd., and the company, and to carry on the business of manufacturers of and dealers in stoppers and bottles of all kinds. The first directors are W. R. Biddell, H. S. Foster, J. P., and F. Nicholson. R.O.: 82 Victoria Street, Westminster, S.W.

**LONDON PRODUCE CLEARING HOUSE, LTD.**—Subject to final audit the directors recommend the following dividends at the forthcoming general meeting: 3*s.* 6*d.* per share on 75,000 ordinary shares, making, with the interim dividend, 10 per cent. per annum, and 25*l.* per share on 100 founders' shares,

both less income-tax, leaving a balance in hand of about 25,500*l.*, out of which 12,500*l.* will be set aside as a reserve fund.

**HUNT & CO., LTD.**—This company of wholesale manufacturing chemists, trading at 36 Bride Street, Dublin, is now in voluntary liquidation (*C. & D.*, December 19, 1908, p. 925), and Sir Robert Gardner (of Craig, Gardner & Co., chartered accountants), 41 Damer Street, Dublin, has been appointed receiver and liquidator. A largely attended meeting of creditors was held, on December 22, in the offices of the liquidator. The secured creditors amounted to 5,500*l.* and unsecured creditors 3,552*l.*, while against these there are set down as assets: Debts 3,900*l.*, stock 2,400*l.*, premises 1,000*l.*, plant and machinery 265*l.*, total 7,565*l.* This is the estimate, but, as the liquidator put it, what the assets will realise is quite a different matter.

**PARKES DRUG-STORES, LTD.**—The annual general meeting was held at 65 Harmond Street, London, N.W., on December 31, with Mr. P. Warnford-Davis in the chair. The Chairman, in moving the adoption of the report and accounts (*C. & D.*, January 2, p. 11), said that, in common with other trading concerns, the figures placed before them this year were not up to concert-pitch. The year was regarded as an exceptional one, and it had been decided to take no notice of the results, but just to go ahead as if they had had a brilliant year. The item of 400*l.* written off the stock reserve fund was 250*l.* more than last year, principally because their specialities had become more popular, and a larger stock is held at the stocktaking period. The increase in the management-expenses is only temporary: one item of 400*l.* will not recur, while a considerable amount is included for expenses in connection with the exhibit at the Franco-British Exhibition, which, although yielding a considerable financial result, had left a balance on the wrong side. They had decided to write this latter amount straight off. At the end of the year one new store had been opened, but it was not dealt with in the accounts. The resolution was then adopted. The retiring directors, Mr. Andrew Chatto and Mr. Joseph F. Fuerst, were re-elected, and the auditors re-appointed.

## Births.

**ENGLAND.**—At Manor House, Snaith, Yorks, on December 30, the wife of Alec England, of England's Drug Co., Snaith, of a son.

**HYNE.**—At 1 Crawford Street, Baker Street, W., on January 4, the wife of Harry Hyne, pharmaceutical chemist (late of West Hampstead), of a son.

**SMITH.**—On January 3, the wife of Frank Smith, Belvoir Pharmacy, Norwich, of a son.

**WATERS.**—At 4 Cromwood, Lochgelly, on December 26, the wife of David S. Waters, chemist and druggist, of a daughter.

## Marriage.

**BAIRD—MORRISON.**—At 441 Victoria Street, Glasgow, on January 5, by the Rev. Adam Shaw, Thomas Baird Stewart Baird, F.R.M.S., of the Glasgow College of Optics, to Jessie, daughter of Mr. W. Morrison, 3 Randolph Terrace, Mount Florida.

## Deaths.

**ANDREWS.**—At Walthamstow, on December 15, Mr. John William Andrews, chemist and druggist, aged sixty-three.

**AUSTIN.**—At Tipton, on December 9, Mr. Thomas Glase Austin, chemist and druggist, aged sixty-seven.

**BARKER.**—On December 27, Mrs. Barker, wife of Mr. A. B. Barker, chemist and druggist, Market Place, Heckmondwike.

**BELL.**—At Bongate Mill, Appleby, on December 29, Mrs. Elizabeth Mary Bell, widow of Mr. John Bell, chemist, Carlisle, aged sixty-nine years.

**BIRD.**—On January 3, Mr. Robert Bird, J.P., oil-manufacturer and tar-distiller, East Moors, Cardiff, at the age of seventy years. Mr. Bird started in the chemical business at Gloucester, of which county he was a native, afterwards removing to Bristol. He established, in conjunction with his father, the oil-works and tar-distillery at Cardiff in 1871.



**BOND.**—At Plymouth, on December 31, 1908, Mr. J. Kinton Bond, B.A., B.Sc.(Lond.). Mr. Bond had been an honorary member of the Three Towns Chemists' Association since it was founded some fifteen years ago. He rarely missed attending the various functions of the Association open to him until his health began to fail, about two years ago. The funeral was largely attended, Messrs. H. D. Davey (President), R. F. Roper (Vice-President), F. W. Hunt, J. D. Turney, C. J. Park, W. H. Woods, H. P. Hearder, J. Barge, F. A. Spear, and H. H. Cannon (Hon. Secretary) representing the local Chemists' Association.

**DORMAN.**—At 1 George Street, Stranraer, on January 3, Hugh Dorman, youngest son of Mr. James Dorman, chemist and druggist, aged thirty.

**DUTSON.**—At St. Briavels, on December 29, Mr. Robert Thomas Dutson, chemist and druggist, aged thirty-five years. Mr. Dutson was formerly in business at Cheltenham, and afterwards at Swansea and Birmingham.

**FIGES.**—At 7 North Street, Romford, on December 20, Mrs. C. Figes, widow of Mr. Thos. F. Figes, chemist, Chelmsford, aged eighty-two years.

**EADE.**—At Orwell Lodge, Sutton, Surrey, on January 2, Mr. George Eade, chemist and druggist, aged sixty-six. Mr. Eade was the head of the firm of Messrs. George Eade & Sons, and the originator of the well-known Eade's Gout and Rheumatic Pills. He attended business at the factory at 232 Goswell Road, E.C., until quite recently. Mr. Eade had devoted a considerable amount of time to public affairs for many years, and was an active member of the Holborn Union Board.

**FORTUNE.**—At Pittenweem, Fifeshire, on Tuesday, December 29, Mr. Robert Fortune, chemist and druggist, formerly of Anstruther. Mr. Fortune was a native of Kilconquhar, and after his education and apprenticeship he started business, about forty-seven years ago, in Pittenweem, his being the first pharmacy in the town. Three years later he purchased the business established by Mr. D. Stevenson Reid at Anstruther, and carried it on successfully for thirty years or more, when he retired to Pittenweem, and spent his leisure in religious work among fishermen and others. He was a Baptist, and founded a mission church at Abbey Road, Pittenweem, which he conducted since his retirement. It was while attending a prayer meeting there that he had an apoplectic seizure, from which he died in a few minutes. Mr. Fortune was highly esteemed by those who knew him, and his funeral, on January 2, was attended by a very large number of friends and townsmen.

**LAW.**—At Littleborough, Lancs., on January 1, Mr. Walter Law, chemist and druggist, 30 Hare Hill Road, Littleborough.

**MOSES.**—As Shrewsbury, on December 2, Mr. Tertius Robert Moses, chemist and druggist, aged sixty-three.

**ORMAN.**—At Fratton Road, Portsmouth, on January 4, Mr. Henry Orman, aged sixty-one. Mr. Orman had been dispenser to Dr. James Green since 1863, going to Portsmouth from Newport, I.W., when a young man as dispenser to the late Dr. Scale. He leaves a widow and a grown-up family of sons to mourn his loss.

**ROBERTSON.**—At Gondal, India, on January 3, Dr. Douglas Argyll Robertson, F.R.C.S.E., the well-known Edinburgh ophthalmologist, who, since his retirement from practice, had resided in the Channel Islands. Dr. Argyll Robertson had gone to India as the guest of the Thakur of Gondal. He was born in 1837, and was one of the leading specialists in ophthalmic surgery.

**SIBSON.**—At 19 Carlingford Road, Hampstead, on December 31, Mr. Alfred Sibson, F.C.S., formerly of 23 St. Mary Axe, aged seventy-four. Mr. Sibson had been a Fellow of the Chemical Society since 1859.

**TAPLIN.**—At Wilberforce Road, Finsbury Park, N., on January 2, William Gilbert Taplin, chemist and druggist (late of Hampstead Road, N.W.), aged sixty-five.

**THOMSON.**—In London, on December 28, Mr. Robert Thomson, formerly superintendent of the Botanical Gardens in Jamaica, aged sixty-eight years. Mr. Thom-

son was a corresponding member of the Pharmaceutical Society.

**WARDLE.**—At Leek, Staffordshire, on January 3, Sir Thomas Wardle, F.C.S., aged seventy-eight. Sir Thomas was honorary expert referee on silk to the Imperial Institute, a member of the Society of Chemical Industry, and had been a Fellow of the Chemical Society since 1875. He was a silk dyer and finisher and silk and calico printer. He was knighted in 1897.

**WHITE.**—In London, on December 20, Mr. Charles White, pharmaceutical chemist, aged fifty-five.

## Recent Wills.

The dates in parentheses refer to the issue of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. ERNEST EDWARD COMER, J.P., chemist and druggist, Eye, Suffolk, formerly of Watton, Norfolk, left estate of 1,667*l.* 12*s.* 8*d.* gross, with net personalty 346*l.* 11*s.* 5*d.* Probate has been granted to his widow (Mrs. Mary Jane Comer), his son (Mr. Donald W. Comer, chemist's assistant), and Mr. G. E. Rose, saddler, King's Lynn (November 7, 1908, p. 715).

MR. WILLIAM FLUX, of Waterton, Cirencester, for forty-five years solicitor to the Pharmaceutical Society of Great Britain, left estate of the gross value of 29,931*l.* 6*s.* 3*d.*, of which the net personalty has been sworn at 1,617*l.* 16*s.* 6*d.* (December 5, 1908, p. 856).

ALDERMAN CHARLES TOWNSEND, J.P., of St. Mary's, Stoke Bishop, Bristol, chairman of Messrs. Ferris & Co., Ltd., formerly Liberal M.P. for North Bristol, left estate of the gross value of 31,191*l.* 19*s.* 10*d.*, with net personalty 24,099*l.* 5*s.* 11*d.* Probate has been granted to his widow (Mrs. Anna Maria Townsend), his sons (Mr. H. H. Townsend and Mr. C. K. Townsend), and Mr. A. H. Tozer, merchant, Thevdon Bois. The principal beneficiaries are his widow, children, and grandchildren (November 14, 1908, p. 759).

MR. ALFRED CROWTHER WEAVER, chemist and druggist, Wolverhampton, left estate of the gross value of 3,496*l.* 12*s.* 9*d.* with net personalty 282*l.* 14*s.* 7*d.* (November 14, 1908, p. 758).

## Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Sir C. N. Dalson K.C.M.G., C.B., Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(From the "Trade-marks Journal," December 30, 1908.)

"COVERINE"; for chemicals (1) and goods (17). By W. Carson & Sons, Lombard Road, London, S.E. 308,389, 308,390.

"LAVENETTES"; for chemicals (2). By W. & F. Walker, Ltd., Colonial House, Water Street, Liverpool. 308,330.

"NORODE"; for vermin-poisons (2). By A. P. Lewis, 21 Lime Street, London, E.C. 308,669.

"PANKREON"; for a medicine (3). By Chemische Fabrik Rhenania, 49-51 Wilhelmstrasse, Aachen, Germany. 306,537.

"GALLISOL"; for medicines (3). By Louis Lasson, Altonaerstrasse 21, Berlin. 306,916.

"PHENOSTAL"; for medicinal chemicals (3). By Schulke & Mayr, 13-15 Moorfuhrweg, Hamburg. 307,361.

"ALVEXO"; for medicines (3). By G. C. Mares, 96 St. John Street, London, E.C. 308,156.

"INFANTENE"; for a children's medicine (3). By A. Nicholas, 83 Bridge Street, Manchester. 308,433.

"GASKETTE"; for all goods (6, 8, and 44) and for metal goods (13). By Aerators, Ltd., 55 Broad Street, Avenue, London, E.C. 306,863, 306,864, 306,865, 306,866.

"ROWNTREE," mark proceeded with by order of the Board of Trade, dated December 7, 1908, under the Trade-marks Act, 1905; for cocoa, chocolate, etc. (42). By Rowntree & Co., Ltd., Wigginton Road, York. 299,838.

"BONYIELD"; for edible vegetable fats (42). By Traders' Combination, Ltd., Montagu Close, London, S.E. 307,220.

"MINUTE"; for prepared tapioca and gelatin (42). By Minute Tapioca Co., 121 West Main Street, Orange, Co. Franklin, Mass., U.S.A. 307,547.



- "VAN HOUTEN'S COCOA," and two label devices; for cocoa (42). By C. J. Van Houten & Zoon, Weesp, Holland. 307,723, 307,724.
- "DEMO"; for a non-alcoholic beverage (44). By C. Mumby & Co., Ltd., 34 The Hard, Portsmouth. 308,440.
- "BALAMO"; for all goods (45). By Thos. Christy & Co., Old Swan Lane, London, E.C. 308,272.
- Picture of girl's head, with falling snow; for perfumery, etc. (48). By F. H. Ibbetson, Mayfield Road, Sanderstead. 300,796.
- "FLOROSA"; for shampoo-powders (48). By Hall, Forster & Co., Ltd., 6 Elswick Court, Northumberland Road, Newcastle-on-Tyne. 307,790.
- "LANOMIEL"; for all goods (48). By A. W. Gamage, Ltd., Holborn London, E.C. 308,168.

## Trade Notes.

**MAW'S LIST.**—The new issue of the quarterly price-list of Messrs. S. Maw, Son & Sons, Aldersgate Street, London, E.C., contains a number of additions and alterations. Among the former are transparent soothing teats and tubing and catheter lubricant, as well as new patterns of listed articles.

**MESSRS. ALLEN & HANBURYS, LTD.,** Bethnal Green, London, E., are one of the firms who, in our Christmas-week issue, extended the season's greetings to their friends, and wished them increased prosperity in the New Year. The name of this company was accidentally omitted from the article on p. 16 in our issue of January 2.

"THE PRESCRIBER," Vol. II., covering the numbers for 1908, has been issued ready bound, and may now be obtained from the editorial and publishing offices, 137 George Street, Edinburgh, at 7s. 6d. (cloth) and 10s. (half leather, gilt top). It makes a compact and convenient reference-book on the therapeutics, pharmacology, and the newer remedies of the year.

**MESSRS. F. HOFFMANN-LA ROCHE & Co.,** Basle and Grenzach, announce that their business in Great Britain will in future be carried on by the Hoffmann-La Roche Chemical-works, Ltd., 7 and 8 Idol Lane, London, E.C., the formation of which company was announced in our issue of December 26 (p. 965). Mr. Hugo Lorenz will continue to act as agent for the new company.

**LIVERPOOL VIRUS.**—The style of packing of this rat and mouse exterminator has been altered. It is now supplied ready baited in tins, a procedure which overcomes the necessity of hand-mixing. The result is a convenience which the public will appreciate. Messrs. Evans Sons Lescher & Webb, Ltd., Liverpool and London, give particulars and prices of the virus in the advertisement columns of this issue.

**LITTLE LIVER PILLS.**—The Standard Tablet and Pill Co., Hove, Sussex, have recently enlarged their plant for the production of pills, and the newly installed machinery enables them to produce little liver pills so cheaply that the company offer them this week (ready packed to retail) at 14s. per gross. Each package contains forty coated pilules in a white-flint glass tube-phial, neatly labelled with engraved label, the wrapper being of the same design and colour. There are three styles: pink paper with black lettering, blue with black, and white with blue. Retail or wholesale buyers can have which they choose. The company inform us that throughout the whole process of manufacturing these little pills no heat is used, and to enable buyers to assure themselves of the quality of the pills and the style in which they are put up the Standard Tablet and Pill Co. will send a free sample to any subscriber on request.

**W., L. & U. NOTES.**—Messrs. Wright, Layman & Umney, Ltd., 48 Southwark Street, London, S.E., have brought out a new edition of their price-list of pharmaceuticals packed for retail sale by chemists. The list now has a stiff cover, and is well produced on glazed paper, which shows up the illustrations to perfection. On the back of the cover there is a reproduction in colours of one of the latest showcards for Wright's coal-tar soap. Particulars are given of Marza wine and Marza tablets, the last-named containing the ingredients of Marza wine. The wine is stated to contain

only the stimulating and exhilarating properties of coca without the presence of cocaine. Among the other seasonable lines shown in the list are malt-extract, beefex, and petroleum and cod-liver oil emulsions. In most of these packed goods a variety of packages is offered, so that there need be no clashing with those sold by a neighbour. Wright's coal-tar soap receives an excellent advertisement in the Drury Lane pantomime this year. One of the most attractive performers brings in among her luggage a large bag, in shape and colour like a cake of Wright's soap. The actress opens the bag, and, handing out a cake of the soap to another player, says, "It's good soap."

## Calendars.

Mr. James F. Wilkinson, Pendleton, Manchester, sends us a flat-form engagement-diary with calendar which can be suspended on the wall or laid on the desk. There are spaces each day within which notes can be made for present or future reference.

A neat wall-calendar is issued by Messrs. Howards & Sons, Ltd., Stratford, London, E. This has in the centre a photograph of the company's stand at the Franco-British Exhibition. Beneath this is fastened the sheaf of monthly tear-off leaves. The design of the calendar is chaste and in excellent style.

James Burrough, Ltd., Cale Distillery, Hutton Road, Lambeth, London, S.E., send out a calendar which has daily and monthly tear-offs as well as a year's calendar, a combination which seems to answer all possible requirements of a pharmacy or office. The design of the card is good and the lettering of the calendar bold. The company tell us they will gladly send a copy to any chemist who asks for it by postcard.

Messrs. I. H. Evans & Son, dispensing chemists, The Cross, Lymm, are publishers of the "Lymm Year-book and Almanac." This has on the front a picture of Lymm Cross and inside an engraving and account of the church, with several pages of local information. An interesting feature is a series of articles on "Profitable Home Hobbies." Messrs. Evans take care to have plenty of pages devoted to their own specialities.

In referring last week to the calendar published by Messrs. Barron, Harveys & Co., 6 Gilt Spur Street, London, E.C., we omitted to mention that the firm will be glad to send a copy of it free to any of our subscribers who asks for it by postcard. A feature of the calendar is that the front on reversing forms a card displaying a medical aphorism, which just hits the mark as regards the public need for pure and reliable physic. The calendar, therefore, serves a double purpose.

## Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MR. JAMES DUNDEE, pharmaceutical chemist, has opened the Malone Pharmacy, Belfast.

MR. W. G. SHISTON has recently purchased the business of Mr. E. Mason, 76 King William Street, Coventry.

MR. E. H. COOKE, chemist and druggist, 30 Fore Street, Totnes, has sold his business to Mr. S. V. Roberts, pharmaceutical chemist.

MR. C. J. ELKINGTON, chemist and druggist, has disposed of his business at 13 High Street, Rugby, to Mr. Percy B. Gray, pharmaceutical chemist.

MR. R. BARRETT, chemist and druggist, has recently purchased the business of Mr. P. J. Bartlett, chemist and druggist, The Triangle, Clevedon.

MESSRS. MICHIE BROS., chemists, have acquired the business of Mr. J. Manson, chemist and druggist, 10 Dunchilton Street, Dennistoun, Glasgow.

MESSRS. MICHELSON & Co., of 59 Fowler Street, South Shields, have removed to new premises, which they have named "The Pill Box," in the same street.



MESSRS. W. BINNIE & Co., Dunster House, Mincing Lane, London, E.C., have transferred their business to Messrs. Lewis & Peat. Mr. Binnie will continue to have an interest in the same.

MESSRS. DAVIS & SOPER, 54 St. Mary Axe, E.C., announce that their business will be continued by Mr. William Soper, the only son and sole surviving partner of the late Mr. William Garland Soper.

MR. MOSES MOSSOP, chemist and druggist, has removed from Main Street to more commodious premises at the Post Office Buildings, Carlton, Notts. The new pharmacy is directly opposite to the old premises.

THE EXECUTORS OF WILLIAM MERRY, wholesale chemists and druggists, Market Place, Ilkeston, announce that Mr. Bernard L. Parker has taken over the business, and it will be carried on under the style of Merry & Parker.

MESSRS. F. E. SYMONDS & Co., chemical-merchants, 9 Mincing Lane, London, E.C., inform us that in consequence of the death of Mr. F. E. Symonds the business will be carried on by his brother, Mr. H. Symonds.

MESSRS. FRENCH & PLUCKNETT, 7 Mincing Lane, London, E.C., announce that Mr. Alfred Edward Duncan has retired from the firm. The business will be continued by the remaining partners under the same style as heretofore.

THE ANGLO-AMERICAN DRUG-STORES have been removed from 8 Great Southsea Street and 48 Charlotte Street to new premises built by the proprietor, Mr. B. Barnato, at 61 Charlotte Street and 17 Meadow Street, Landport, Portsmouth.

MESSRS. E. BENNETT & SON, LTD., have removed their offices from 42 Trinity Square, London, E.C., to 7 Aldgate East Chambers, London, E. The works (Aldgate East Copper and Engineering Works) are quite adjacent to the new offices.

## Personalities.

MR. WILLIAM GILES, chemist and druggist, has been appointed to the Commission of the Peace for Wallsend-on-Tyne.

MR. EDWARD J. CLARK, chemist and druggist, Malvern Wells, is the W.M.-elect for the Eastor Lodge (751), Herefordshire.

MR. R. E. GIBBINS, M.P.S., has joined the Chemists' Co-operative Wholesale, and will enter the manufacturing department.

MR. HENRY C. EDWARDS, chemist, Hastings, was one of the guests at the banquet given by the Playgoers' Masonic Club at the Hotel Cecil, on Tuesday evening, January 5.

MISS ELSIE WALKER, daughter of Mr. Francis Walker, chemist and druggist, Little Sutton, Chester, has passed the examination in piano-playing for the Licentiateship of the Royal Academy of Music.

MR. T. H. W. IDRIS, M.P., and Mr. Richard Winfrey, M.P., were entertained to dinner in the Queen's Room, Holborn Restaurant, on Tuesday evening by the President and Council of the Pharmaceutical Society.

MR. WOOLMER WHITE, of the Timothy White Co., already a Justice of the Peace for the borough of Portsmouth, at the Hants Quarter Sessions on January 4, took his seat as a Justice of the Peace for the county.

MR. T. H. W. IDRIS, M.P., sails on Friday, January 8, on a trip to Brazil, and expects to return shortly after Parliament reassembles. Any pharmacists in Brazil who desire to meet Mr. Idris may communicate with him, c/o Señor D. Diego Gibson, Calle Defensa 192, Buenos Aires.

MR. G. P. FORRESTER, of Merck's staff in Darmstadt, contributes a letter to "The Lancet" of January 2 on "Prescriptions and Poisons." It deals chiefly with the stringent regulations extant for safeguarding the health of German subjects; the matter being recalled to Mr. Forrester by the recent legislation on the sale of poisons.

THE vacancy on the board of Benger's Food, Ltd., caused by the death of Mr. Standen Paine, Ph.C., late managing director and chairman, has been filled by Mr. A. E. H.

Blackburn, Ph.C., proprietor of the business of Mottershead & Co., 7 Exchange Street, Manchester. Mr. Blackburn was apprenticed to Messrs. Mottershead & Co. when the proprietors were Messrs. Standen Paine and F. Baden Benger, and remained with them, steadily rising on their staff until he became manager of the retail pharmacy, which he purchased in 1892. He passed the Minor examination in January 1884, the Major in April 1886, and participated in the experimental and other work which led up to the introduction of Benger's Food and preparations. Mr. Blackburn is Honorary Apothecary to the Manchester Royal Infirmary and the St. Mary's Hospital, Manchester. By joining the board of Benger's Food, Ltd., he links up again the old connection of this manufacturing business, not only with the Exchange Street pharmacy, but with the retail trade.

## The Sicilian Earthquake.

THE following is a representative list of firms engaged in the Sicilian produce-trade (particularly the essential oils of lemon, bergamot, and orange) previous to the earthquake:

### Messina.

Gaetano Ainis	Santi de Pasquale & Figli
F. Miceli Ainis & Co.	Fratelli de Pasquale & Co.
Giacomo de Angelis & Co.	Samuel F. de Pasquale,
Gaetano Alessi fu Gius	176 Via Primo Settembre
Ferd. Baller & Co.	S. F. de Pasquale & Fratelli
Mr. Arthur A. Barrett	Giov. Restuccia & Co.
C. & G. Bensaja	De Salvo, Francesco & Co.
W. J. Bush & Co., Ltd.	W. Sanderson & Sons
Cailler & Co.	Sicilian Essential Oil Co.
Emil Fog & Son	Laboratorio Chimico della
Fratelli Foti	Camera-di-Commercio
Vincenzo Foti	Ogston & Moore, analytical
Eduardo Jacob	chemists
Ernesto Ilardi & Figli	Antonio Campagna
F. Marangolo & Figli	Giacinto Rigano

### Palermo.

Giovanni Hamnett	A. Puleo, Rue Victor
Fratelli Jung	Emanuel
Leone & Co.	Zarges & Trede
Alfonso Maniscaleo	

### Reggio.

Spinelli fu Bruno	La Zàgara
Dr. Salvatore Gulli	Les Hespéridées
Ig. Siles	

Many of the above firms are represented in London, and inquiries addressed to them asking for definite information have elicited the following replies:

MESSRS. DOMEIER & Co., who represent F. Marangolo & Figli, of Messina, have received no reply to their cables.

MESSRS. W. J. BUSH & Co., LTD., are represented in Messina by the brothers Sofio, whom the Consul at Palermo reports as among the saved.

MESSRS. A. & M. ZIMMERMANN, agents for Messrs. F. S. de Pasquale & Fratelli, inform us that they have wired and written, but are so far without news.

MR. ANTOINE CHRIS, 43 Great Tower Street, London, E.C., the agent for "Les Hespéridées" of Reggio, informs us that the four sons of G. Leone are safe. Other large shippers of bergamot oil from Reggio were Ig. Siles and Spinelli fu Bruno.

MR. JOS. FLACH, who represents Messrs. Cailler & Co., has not heard from his principals. The British Ambassador at Rome reports "with all reserve" that a Mrs. Cailler and one son were killed, and the British Ambassador at Palermo reports that Hugh Cailler (wounded) and one brother were safe.

MESSRS. S. LAMBERT & Co., 14 Mincing Lane, E.C., who have represented Messrs. Fratelli de Pasquale & Co. for over thirty years, deeply regret to state that although they have cabled and made inquiries through the firm's bankers in London not a single word has come along up to Tuesday, January 5. It is therefore anticipated that the worst has happened, as, being on terms of close friendship with the Pasquale family, news would have been sent if they had escaped.

MESSRS. F. BOEHM, LTD., who are agents for Mr. Eduardo Jacob, of Messina, state that they despatched a wire immediately after the earthquake, but up to now have had no



reply. From the German newspapers, however, they learn that Mr. Jacob, who is also the German Consul at Messina, has been saved and is still in the town. His wife is injured and has been removed to Naples, together with his two daughters, who are safe and well. Mr. Jacob's business manager, Mr. Duden, together with his whole family, has also been saved.

MESSRS. LINTON, HUBBARD & ANDREW, agents for the Sicilian Essential Oil Co., state that they have despatched several telegrams to their friends, but have received no reply.

On Thursday, January 7, they received a letter from one of their principals in Palermo, from which the following is extracted:

The old year has closed with us very badly owing to the awful calamity which has fallen on our unfortunate country. The New Year opened very sadly, not only for those who lost relatives and friends in the disaster, but for anyone who has any heart at all. The regular course of business has been entirely upset, and it is impossible to foresee consequences. A very long time must elapse before the moral and material effects of the catastrophe can be got rid of. I received your telegram on the 31st ult., which has reached me by post *via* Naples. I am doing my best to send you suitable advices, but you will understand that Messina was the emporium for essential oils, and that the disappearance of that market will materially affect position of the article. I shall let you hear further as soon as possible.

MR. R. C. TREAT, Dunster House, Mincing Lane, E.C., who represents Giovanni Hamnett, of Palermo, left for Italy on January 4.

We understand that Mr. Vincenzo Foti, who visited this country about three weeks ago, is among the dead, as is also Fratelli Foti, who were exporters of citrate of lime and essential oils.

MR. ANTONIO ROBERTO, of the firm of Antonio Roberto & Figli, Messina, who committed suicide after hearing of the death of his wife and family, was one of the largest exporters of raw tartaric materials.

MR. OSWALD J. D. THOMAS, assistant analytical chemist to Ogston & Moore, who is now in London with an injured hand, gives a thrilling account of his remarkable escape in the "Morning Post." Mr. A. H. Bennett (partner in the firm) and he were able to rescue the British Consul, Mr. A. J. Ogston.

MR. A. H. BENNETT, partner in Messrs. Ogston & Moore, was found by some British sailors at the Consulate with his leg seriously hurt, and his little daughter, two years old, clasped in his arms. He was so pained in by fallen masonry that they had to send on board for ropes, and it was only after long and strenuous exertions that they were able to liberate him.

MR. HARRY BROWN, chief assistant to Messrs. Ogston & Moore, and his sister, Miss Eva Brown, are among the dead. Their deaths are mourned by a large circle of friends in North London, their father, Mr. George Brown, up till not long ago being the principal of St. John's College, Green Lanes, N. Miss Eva Brown gave up all her home ties in this country to go out to look after her brother in Messina.

MR. ANTONIO POLIMENI, essential-oil importer and fruit merchant, Dunster House, Mincing Lane, E.C., who has extensive business connections in Sicily, had two brothers and a sister in Messina, but they are believed to have perished, as he has received no news of them. Mr. Polimeni informs us that the three brothers Charles, William, and Alfred Sarrau, who constituted the important firm of Ferd. Baller & Co., are alive, they being away from Messina at the time of the earthquake.

W. SANDERSON & SONS.—A message received from the British Consul at Rome states that among the killed are Mr. and Mrs. Walter Oates, with three children and English nurse, and Mrs. Henry Oates. Mr. Walter Oates was the chief partner in the firm of W. Sanderson & Sons, of Messina, essential-oil exporters, the remaining partner being Dr. Giuseppe Bousurgi, who, it will be remembered, went to the United States on behalf of the Messina Chamber of Commerce, at the time the U.S. Customs authorities held up large parcels of lemon oil. Mr. Sanderson and his family emigrated to the Argentine Republic several years ago.

MR. ARTHUR A. BARRETT, pharmaceutical chemist (formerly of Birmingham), who established himself in business at Messina as an essential-oil distiller in 1892, is one of those who have suffered heavily by the disaster. We received a letter from him on Wednesday marked "Unstamped because of the earthquake, Arthur A. Barrett, Messina," and "posted in the train." It is written in pencil. We give a reduced facsimile of the envelope. Mr. Barrett asks us to insert the following advertisement, and adds: "The essence merchants, including myself, are all more or less ruined. If you would put the suggestion forward that English dealers in Messina essences advance the price—the difference to be paid to a fund for our benefit—I think it might be taken up. More than half the English colony is gone."

Telegrams: "Carboy, Messina." Established in Messina 1892.

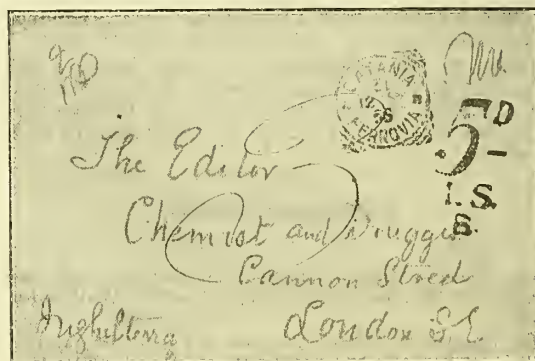
#### THE EARTHQUAKE.

I have lost wife, child, and home. I fell in bed from the top floor to the street, practically uninjured, and am suffering only from cut feet and scratches which I got looking for my wife and child and rescuing five people from the ruins. I went on board the General Steam Navigation Company's *Drake* in my nightshirt, and begged a pair of boots and some old clothes. I shall have little beyond my balance, which is with Messrs. Lloyds Bank Ltd., Liverpool.

I trust that kind friends will send me as many orders as possible, so that I may re-establish my position, and provide some work for the many thousand people who will shortly be starving. Orders to be of the greatest use should be by cable, for payment cash against documents, and if possible the order should read: "Buy at best and ship when you are able." Lengthy correspondence is at the moment impossible.

ARTHUR A. BARRETT,  
Postal Address, Messina  
(Pharmaceutical chemist, member of the Society of Chemical Industry).

We allow this statement to speak for itself. It is inserted here rather than in our advertisement pages, owing to Mr. Barrett's lamentable and unfortunate circumstances. He has lost his wife and child as well as all he possessed.



#### TO AID THE SUFFERERS.

Among the contributors to the Lord Mayor's Fund are the following:

Ralli Bros., 500Z.	Sydney Harvey & Co., 50Z.
Arbuthnot, Latham & Co., 105Z.	R. Quincey & Son, 50Z.
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M. Samuel & Co., 105Z.	A. Boake Roberts & Co., Ltd., 10Z. 10s.
Schweppes, Ltd., 105Z.	Sir Henry and Lady Roscoe, 10Z.
C. Tennant, Sons & Co., Ltd., 105Z.	Messrs. Burroughs Wellcome & Co., of Milan, have contributed 1,000 lira to the Italian fund.
Burt, Boulton & Haywood, Ltd., 52Z. 10s.	
Stevenson & Howell, Ltd., 52Z. 10s.	
Arthur Whitaker, 52Z. 10s.	

DISINFECTANTS AND DEODORISERS.—Considerable quantities of disinfectants have been forwarded to Sicily, and all the sulphuric and carbolic acid which it is possible to requisition has been despatched. Quicklime has been sent by hundreds of tons, not only from places near at hand, but even from Rome, which has provided 54 tons, besides hundreds of trucks of chlorinated lime, hundreds of quintals of lysoform sublimate, and bandages of medicated gauze and cotton-wool. "The Times," in the course of a short article on the industries of Messina, points out that the trade in Sicilian products, such as sulphur, olives, and sumach, has of late been in a very depressed condition. Some idea of the importance of the trade in products of the lemon may be gained from the fact that during 1907 Messina exported 984 tons of concentrated lemon-juice, 4,737 tons of citrate of lime, and 702 tons of lemon and orange oils.



## Observations and Reflections.

By "Xrayser."

### The Business of Chemists and Druggists,

handed down to them from many generations of apothecaries, is essentially the compounding of physicians' prescriptions; and perhaps three-fourths of the inhabitants of Great Britain live under the vague impression that this responsible duty is what the Pharmacy Acts protect for their benefit. Certainly that proportion of members of Parliament hold that view, and no amount of circular education can wash it out of their brains. When, before 1868, the Pharmaceutical Society drafted their Bill in competition with the one which the United Society of Chemists and Druggists had proposed, the object they aimed at was the restriction of "the business of a chemist in the keeping of open shop for the compounding of prescriptions of duly qualified medical practitioners." That expression was lifted from the draft Bill and used in the Act of 1868, but only as the definition of those persons who were to be entitled to registration as the chemists and druggists to whom the monopoly of retail poison-dealing was to be entrusted. Thus, therefore, the function which particularly characterised the pre-1868 chemist was legislatively disregarded, and that of the sale of poisons was substituted for it as constituting the part of his business on which his statutory position depended.

### The Draftsman of the New Act

may have had a subconscious apprehension of this history when he introduced the phrase "carry on the business of a chemist and druggist" into two of his clauses; or it may be that to his legal mind its meaning was quite definite. For instance, it may have seemed impossible to him to extend the meaning of "the business of a chemist and druggist" for the purpose of the new Act beyond the limits which the principal Act defined—namely, the sale of poisons. However this may be, the article last week and the replies to queries on the subject make it obvious that the expression will not be satisfactorily understood by all of us until we get a clear judicial interpretation. The most likely case in which doubt may occur is in connection with branch shops. May a chemist own a branch shop where no poisons, but all kinds of non-poisonous medicines, are sold without employing a qualified person to manage it? I gather that the Editor thinks he may not, or at least had better not risk doing so, and I appreciate the argument based on the doubt of what is the exact meaning of carrying on the business. But in the event of an action in such a case the defendant would certainly have a fair run for his money. It would not be disputed that he might carry on a perfectly distinct business—a draper's or grocer's, for example. How near might he then creep up to the chemist's shop? He might, one would think, use coloured bottles, and sell Epsom salts and a hundred other drugs, as grocers do now. Might he not do everything that a chemist does except sell poisons?

### The Exhibition of Certificates

is a provision of the Act which has excited no comment. It is not to the advantage of the proprietor to advertise his manager, but no one interested has objected from this point of view, and those who will have to display their scientific achievements appear to generally welcome the opportunity. But I have met with one case where the requirement is resented. The speaker was a chemist in a fairly good position. "Fine or no fine," he said, "I am not going to exhibit my certificate in my shop as if I were a cabman showing my number. I have never placarded it voluntarily, and I am not going to do so on compulsion." I suggested that 5s. was rather a high price for this indulgence in independence, but my friend continued his oration. "Does the Harley Street physician hang up his diploma in his consulting-room, or does the general practitioner make room for his in his surgery? Does the solicitor wear a badge when he goes into a court where he is not known, or is the captain's certificate attached to the mainmast of his vessel? And do you think any of these men would submit to go through life imploring the dear public to believe that they are not impostors?"

I expressed such sympathy as I could call up, and promised not to become an informer, and now I commend my friend's remarks to other chemists in search of a grievance.

### Loitering in a Library

recently, I found a few items of possible interest. First, I looked through the new part of the Oxford Dictionary ("Premisal" to "Prophesier"), but, though it was an extra bulky issue, there seemed to be nothing in it directly concerning pharmacy, unless it were the words associated with "prescribe" and "prescription"; and these were not particularly striking. The earliest quotation given in the sense of ordering medicine to be dispensed is dated 1548, and occurs under the word "Prescriber." It is taken from the preface to one of Udall's translations of Erasmus. Udall was headmaster of Eton School, and was besides a writer of comedies which gave Queen Mary pleasure: He says:

The physycians of the bodyes haue practycioners and potycaries that dooe minstre theyr arte vnder theym: and themselves are the prescrybers and appoynters what it is that muste be geuen to the sycke.

Even at that time there were plenty of potycaries who thought they knew what to prescrybe and appoynt for the sycke.

In the "Edinburgh Review" for January there is a lengthy article on the Paston Letters, published in complete form by Mr. James Gairdner, of the Record Office, in 1904. The Paston Letters were family documents extending over the period 1424 to 1509, and comprise more than a thousand letters from and to various members of a Norfolk family during three generations. They present the best record known of life in England in the fifteenth century, and Mr. Gairdner long ago tracked them through various holders, and established their authenticity against several cavilling critics. In 1771 the whole pile in manuscript was bought by a chemist of Diss, named Worth, and on his death the letters passed into the possession of a Mr. John Fenn, who published a selection from them about 1786. This volume so pleased Horace Walpole that he got a knighthood for Mr. Fenn. The amusing passage in the "Edinburgh" article is this:

"Pottys of Tracle" or "Triacle" of "Geane" or "Jene" are sometimes wanted, especially by the youngest John on behalf of his young wife, who seems to have had a sweet tooth as well as a sweetheart.

It is curious that a writer selected to review a work of this kind in a publication of such reputation as the "Edinburgh" should be evidently ignorant of the nature of the "triacle" so frequently referred to in old English literature. Genoa triacle would not have gratified a sweet tooth much. It may be added that the references to "tryacle" in the Paston Letters were quoted fully in an interesting article on "Treacle in England," by Mr. W. G. Piper, in the *C. & D.*, March 15, 1880.

Mr. H. G. Wells is commencing a new story in the "English Review," which commenced its career in December. The title of Mr. Wells's novel is the somewhat enigmatic one of "Tono-Bungay," and it is described in the second line as "a romance of commerce." I guess that Tono-Bungay will turn out to be a patent medicine. At any rate, the inventor of the name is a chemist and druggist who, with a very limited equipment of knowledge, is tormented with the idea of doing something big. George, the hero of the story, is a nephew of this chemist, and is apprenticed to him in a quiet little Sussex town. Mr. Wells is probably rather better acquainted with Mars than he is with the inside of a chemist's business, but he makes the utmost of what he does know. "He'll have to learn Latin," said the chemist to George's mother. George is delighted, for Latin is one of the things he desired to learn. "You will learn it because you have got to, not because you want to," says the mother, who apparently does not believe in a boy enjoying his apprenticeship. "It's no good to you, of course," said my uncle, "except to pass exams. with; but there you are."

APOTHECARY'S WEIGHT.—"I'm sure," whispered the gossip, "that Mr. Pillsbury, the druggist, takes a dram occasionally." "Yes," replied the bright girl, "I believe he has scruples in that direction."



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 ORIENTAL  
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 is sure to ensue. Retail 2d.;  
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**For KILLING VERMIN on**  
**the HEAD.**

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## Editorial Comments.

### The New Act.

#### II.—Shop-management.

Every premises wherein the business of pharmaceutical chemist or chemist and druggist is carried on by (1) a pharmaceutical chemist, (2) chemist and druggist, (3) executor, administrator, or trustee of either of the foregoing, (4) body corporate, or (5) firm in Scotland must be bona fide conducted by a pharmaceutical chemist or chemist and druggist as the case may be.

This is a paraphrase of Section 3 of the new Act. It meets a want felt years ago. When Mr. Michael Carteighe (now unhappily laid aside by an affliction which incapacitates him from active participation in pharmaceutical affairs) was approaching the presidential chair of the Pharmaceutical Society there was a persistent demand from the ranks for recognition of the "one man, one shop" principle. This



did not come on for serious consideration until 1888, when the Earl of Milltown moved in the House of Lords an addition to a clause in the Society's Bill, then under consideration, requiring that every person keeping open shop should employ at each branch a duly qualified assistant. This proposal was strongly objected to by unqualified managers, and was to have been modified in the House of Commons so as to exempt men of a certain status, but the Bill did not go through. Twenty years have since gone by. When the present Act was before Parliament we repeatedly explained what the effect of Clause 3 would be, but not a single objection was raised to it. We do not doubt that this was solely due to the fact that it is generally believed that "one man, one shop" is a sound principle. But this is not the sole reason for the absence of objections while the Bill was going through Parliament. Since 1888, and largely through the action of this journal in securing a fund to carry the case of the Pharmaceutical Society *v.* Wheeldon to the High Court, it has been established that under Section 15 of the 1868 Act the actual seller of a poison, whether he be principal or assistant, must be qualified. This decision in 1890 brought about a great change in the management of branch shops. Up to that time it was the exception to have qualified managers in them; now the opposite is supposed to be the case, and this accounts in a great measure for the absence of opposition to Section 3 in the recent Session of Parliament. The change in view is not without interest, while it certainly induces caution in respect to opinion of what may be regarded as a hardship now. Twenty years hence it may be considered a perfectly commonsense recognition of the rights of qualified men, as well as a proper measure for public safety.

The nature and extent of the management which the new Act requires for every premises is "bona-fide conduct." This is not a new term, and no new problem should arise. The term occurs in Section 16 of the 1868 Act, where it is required that executors, etc., continuing the business of a deceased pharmaceutical chemist or chemist and druggist may do so "if and so long only as such business shall be bona fide conducted by a duly qualified assistant." Up to the present no one has misunderstood what this means; the assistant takes the place of the late owner as regards relations with the public in selling and dispensing. If it ever meant more than this in the case of executors—*e.g.*, excluding their control of the qualified assistant in his conduct of the business—it cannot mean that now in the case of qualified managers employed by pharmaceutical chemists and chemists and druggists. The section simply requires that if a qualified man carries on his business in more than one shop he must have a qualified man equal in title to himself as his deputy in each shop not conducted by himself. Questions as to whether a man with several shops may divide his day among the several do not arise; the purpose of the Act is to have a qualified man in each shop. The most serious question is: When a chemist with but one shop spends the greater part of his time in public or other duties outside it, can he be considered to bona fide conduct his business?

The exhibition in every chemist's premises of the name and certificate of the manager is a point which requires attention. In Sub-sections 1 and 2 occurs the phrase "the name and certificate of qualification . . . is conspicuously exhibited," while in Sub-section 4 (b), in the case of companies and firms, the manager's "certificate of qualification" only is mentioned as requiring to be "conspicuously exhibited in the shop." A certificate of qualification always bears the name of the person to whom it applies, and it should not therefore be necessary to

expose the name in any other manner. It may further be noted that Sub-sections 1 and 2 use the singular verb, and this may be construed to imply that the name and certificate are one thing. Against this interpretation there is the fact that in the original Bill the name only of the manager had to be exhibited; but on the report stage in the House of Lords the certificate of qualification was added, and this applied equally to the premises of individuals and companies. This was retained as regards Sub-sections 1 and 2 by the House of Commons, but Sub-section 4 (Companies) was amended, so as to require the appointment of a superintendent, whose name has to be forwarded to the Registrar, and in the process (but inadvertently, we understand) "the name" was removed from the exhibition requirement. The result is that companies, and firms in Scotland, certainly have not to exhibit conspicuously the name of the shop-manager, except so far as it appears in the certificate. The position is anomalous but not serious, for, as regards individual chemists, the requirements will be met in the meantime by the exhibition of the manager's examination certificate bearing his name, or a certificate of registration obtainable from the Registrar for a shilling. There is no necessity for painting the name of the manager in the premises. It is important to note in this matter of shop-management that chemists and druggists and pharmaceutical chemists alone may be employed for the purpose; apothecaries and registered medical practitioners are not empowered to act as managers of shops where the business of a chemist and druggist is carried on by chemists, companies, or firms in Scotland. On the contrary, apothecaries and medical practitioners keeping open shop are not affected by Section 3, but poisons can only be sold and dispensed in their shops by qualified persons.

Two changes are made by Sub-section 2 in regard to the businesses of deceased chemists. First, whereas formerly executors were only required to employ a qualified assistant to manage the business, now one must be employed for each shop in which the business is carried on. Second, if the deceased was a pharmaceutical chemist, and the business is continued under that title, only pharmaceutical chemists must be employed as managers. The name and certificate is to be conspicuously exhibited in such shops, also.

The company and firm sub-section (4) is the same in principle as the foregoing, but goes further in two respects. First, it is declared substantially that each company or firm must appoint a chemist as superintendent to have the control and management of the keeping, retailing, and dispensing of poisons. The company or firm may by themselves or otherwise buy poisons, but once the poisons are in the premises the superintendent is in law responsible for them, and may snap his fingers at his employers—so far as the poisons are concerned. A company, or firm in Scotland, cannot carry on the business of a pharmaceutical chemist or chemist and druggist until the name of the superintendent is forwarded to the Pharmacy Act Registrar, and any change of the superintendent must be notified to the Registrar. This also looks a formidable provision, but is not so in reality, except to small concerns which have behind them an unqualified principal who uses the law as to corporate bodies to get round the pharmacy law. Firms carrying on a chemist's business in Scotland may find the sub-section a little awkward, as the name of one of the firm in each case must be selected as superintendent, and that will probably hurt the feelings of the other partner or partners. But whatever security the new provision may bring to pharmacy in Scotland is more than set off



by the publicity which the sub-section gives to the fact that when two or more persons carry on together the business of a chemist and druggist in Scotland they need not be registered chemists, and may employ a registered chemist as superintendent of the business and manager of their shop. Otherwise the businesses of bodies corporate and firms in Scotland must be conducted in the same manner as the businesses of qualified individuals; but as they are not permitted to use the titles "pharmaceutical chemist," "pharmaceutist," and "pharmacist," they need only employ chemists and druggists as managers.

#### Outside Views.

The Act was published on Tuesday, January 5, and may be purchased at 1½d. per copy, or 2d. by post, from Messrs. Wyman & Sons, Ltd., Fetter Lane, London, E.C.; Oliver & Boyd, Tweeddale Court, Edinburgh; and Mr. E. Ponsonby, 116 Grafton Street, Dublin. The text of the Act as collated from the Bills printed in *THE CHEMIST AND DRUGGIST*, December 26, 1908 (pp. 966-969), was absolutely correct. Statements made in several daily papers during the past week that the Act came into operation on January 1 are, of course, erroneous. April 1, 1909, is the date given in Section 8 for its commencement. "The Times" of January 6 contained an excellent article on the Act, written, apparently, by someone well conversant with pharmacy and poisons law. After summarising previous statutory provisions, the writer describes the new conditions and restrictions ("mechanical" they are appropriately dubbed) for the sale of agricultural and horticultural poisons and mineral acids, and gives death-rates for these and other poisons now brought within the law's purview. Then the provisions as to titles and shop-management are dealt with, and the article concludes with the remark, *à propos* of the curriculum section:

There can be little doubt that one of the effects of the enforcement of the new regulations will be to improve the status of pharmacists, while another will be to provide an improved pharmaceutical service for the public.

The writer falls into a curious error. He says: "For registered chemists who carry on business on their own account the title of 'pharmacist' is to be solely reserved." There is no stipulation in Section 3 (3) about being in business. Perhaps few chemists and druggists are aware that a body exists called the Ironmongers' Federated Associations. It is an incorporated body, and has a secretary who is a Fellow of the Chemical Society. He issues a periodical report to the Ironmongers' Associations, and from the current one we extract the following:

#### THE POISONS AND PHARMACY BILL.

This Bill, originally a private one, afterwards taken up by the Government, was promoted by a small society, of which Mr. Thomas G. Dobbs, of Worcester, was solicitor and secretary. It will be within the recollection of many that at our Birmingham Conference Mr. Dobbs gave particulars of the measure, and that I, at the request of the Privy Council, gave evidence as to the disability ironmongers suffered under in not being able to sell (without prosecution by the Pharmaceutical Society) sheep-dip weed-killer and other poisonous compounds. Many of our members did a large trade, especially in sheep-dip, but several of them had been prosecuted and so had to discontinue what was a profitable trade. Certain proposals were made to the committee in dealing with these poisonous compounds, so that the public were secured against their use being applied for other than agricultural purposes. For seven years this Bill has been before Parliament, opposed by the Pharmaceutical Society and others but through the perseverance of our friend Mr. Dobbs, backed financially by Mr. G. H. Richards, of the Borough. London, it has now become law. Ironmongers in agricultural districts, who will no doubt again take up the sale of these goods as before, owe a deep debt of gratitude to Mr. Richards, the proprietor of XL-All Sheep-dip, and other specialities, for the way he has stood by the measure, and under great difficulties and many rebuffs has, together with Mr. Dobbs, at last been successful. This Bill comes into operation on April 1, 1909.

This is decidedly interesting, although (or, perhaps, because) inaccurate in several respects.

### Messina Essences.

THIS is the term by which oils of lemon, bergamot, and orange are familiarly known on the market. They afford much excitement at present, owing to the earthquake, but the aggregate amount of business done at the extreme prices now asked is small, buyers only entering the market to fill urgent orders. For coppers of 25 lb. and 50 lb. they have been compelled to pay from 10s. to 15s. per lb., as compared with the top price of 7s. 6d. last week. The bulk of the agents here who represent important Messina houses are unable to offer until they hear from their principals. In several quarters the opinion is held that the frantic rush in prices of lemon oil is not justified, and when matters again become normal there will be a substantial reaction. It must not be forgotten either that much of the lemon-oil business will now be transferred to Palermo, where, no doubt, plenty of oil will eventually find its way from other districts. In regard to forward shipments, in which a considerable business had been done, especially for American account, much will depend on the wording of the contracts as to whether the buyer will be able to enforce delivery. Where no brand is mentioned in the contract, it is a moot point as to whether the buyer can compel his seller to fulfil his contract by delivering any brand of oil; but should a brand have been specified that is not now in existence, then *force majeure* would apply. Another debatable point is: Can a seller who has entered into forward contracts, but has not covered (or, in other words, "sold in blank"), be compelled to buy at market prices at time of delivery? If he proved that he had actually purchased the oil for his buyer, but was unable to obtain delivery, then *force majeure* would probably prevail, but not otherwise. This is "market opinion," but at the present period many settlements will be of an amicable nature. The bulk of them will no doubt be decided by arbitration. The advance in bergamot oil appears to be more warranted than that in lemon, as the former is only a minor article reaching the market in small lots, so that market conditions which affect lemon oil do not apply to bergamot, the price of which in first hands now ranges between 35s. and 40s. per lb. It is only small coppers that can be had at these prices, and importers dole them out as a great favour to their regular customers. It would not be surprising to learn that some attempt may be made to "corner" the market in lemon oil in view of the present situation, but it must be borne in mind that even if present high values are maintained, the consumption of lemon oil this season will probably be reduced by one-half.

In a preceding article (p. 49) we give particulars, as far as can be at present obtained, of the various houses and persons who have been connected with the industry. We shall be glad to hear from readers at home and abroad who can add to these.

#### Another Hops Bill.

An effort will be made in the early part of the forthcoming Session to introduce in the House of Lords a Bill for the purpose of prohibiting the use of chemical preservatives in the brewing of beer, this course being adopted in order that the Bill may reach the House of Commons at a period of the year when its chances will not be placed in jeopardy owing to the lateness of the Parliamentary Session. The Bill will be brought forward under the auspices of the Hoppickers' Defence League, on whose behalf a deputation waited upon the Chancellor of the Exchequer and the President of the Board of Trade last Session. This special point, it may be remembered, figured in the Bill then intro-



duced, but, owing to the opposition which was encountered at the last moment, legislation on the question could not be further proceeded with.

#### Crown Agents and Medicines.

The issue of a Sessional Paper dealing with the revenue derived under the Ceylon Medical Aid Ordinance enables the "Times of Ceylon" to take up the cudgels on behalf of local contractors, as against the Crown Agents, in the supply of Government medicines to the Colony, a controversy which was referred to in the *C. & D.*, May 30, 1908, p. 835. Tables of figures given in the Sessional Paper disclose that the cost of medicines on behalf of the planting community in 1907 reached Rs. 137,011, against Rs. 137,737 in 1906, and it is argued that this item could be considerably reduced if the medicines were supplied by local contract instead of through the Crown Agents. Some years ago, it may be recollected, the local-contract system was tried in Ceylon, and an appreciable saving was effected, but the Crown Agents in London brought Colonial Office influence to bear, and the Ceylon Government were compelled to revert to the old system, at the instance of the Secretary of State. Our contemporary vigorously condemns the present method, stating that "it is inconceivable that the planting community can be made to pay up to 150 per cent. in excess of the true price of standard medicines. It is a scandal that should not be allowed to continue at the expense of the whole Colony." The Government now propose that the planting community should bear the whole cost of medically providing for the estate population, whereas at present they are entitled to medicines from the medical stores to the extent of 50 cents per head for their coolies. Most planters, however, spend large sums every year on additional medicines, and as they are directly interested in obtaining their supplies from the cheapest sources, they are urged to formulate their case against the present system, as, although the Ceylon Government are convinced of its injustice, they appear to be in the hands of the Colonial Office.

#### Straits Settlements Opium Commission.

The report of the Straits Settlements Opium Commission, which was referred to in our Coloured Supplement of December 26, 1908, recommends stricter control of opium-smoking, but not prohibition. The Commissioners, who were six in number, represented all shades of opinion on the opium-question, and they find that the vast majority of smokers indulge to an extent that may "properly be called moderate," and that there has been no increase in the prevalence of the habit. The Commissioners do not find it proved that the evils arising from the use of opium have increased during the past decade, but in order that the Government may maintain a stricter and closer control, it is recommended that the present system of farming the opium-revenue be abolished, and that a Government monopoly of the preparation and distribution of chandu be substituted. On the financial aspects of the question the Commissioners say there appears to be a general unwillingness to submit to alternative forms of taxation, and the impression was gathered that many who expressed sentiments adverse to the use of opium would prefer things to remain as they are, if alterations implied an extra levy on their pockets. By prohibition of the use of opium without a prior international agreement to prohibit the cultivation of the poppy, not only would slightly more than half the total revenue of the Colony be abandoned, but considerably increased expenditure would be involved in the upkeep of the preventive staff necessary to enforce such prohibition. In the Straits Settlements the revenue derived from opium during the years from 1898 to 1906 increased from \$2,332,186 to \$5,125,506.

#### Morphine in China.

In view of the fact that the prohibition of the importation of morphine and hypodermic syringes into China, except under certain conditions, came into force on January 1, 1909, it may be as well to point out that this prohibition was agreed to by H.M. Government in Article XI. of the Commercial Treaty between China and Great Britain of 1902 (see *C. & D.*, October 18, 1902, p. 673). In that treaty it was stipulated that the prohibition should only come into force on all other Treaty Powers agreeing, so that it has taken six years before these conditions could be fulfilled, Japan having held out until quite recently. The Gazette Extraordinary which has now been issued states that foreign doctors who have need of morphine for medical use must make a declaration before their Consul that the drug is destined for their dispensary or for that of a hospital. Foreign druggists must undertake before their respective Consuls not to deliver morphine to anyone without a prescription from a doctor, and then only in such quantities as are prescribed by such prescription. The Consuls will notify these declarations and undertakings to the Customs officials, in order to keep a check upon the quantities of the drug imported, and only upon sight of the necessary documents will the drug be delivered. The duty to be levied will be 5 per cent. *ad valorem*. All consignments of morphine not covered by an authorisation from the Customs will be confiscated. It is absolutely forbidden for Chinese subjects throughout the whole Empire to manufacture morphine or hypodermic syringes, and, at the same time, foreign Governments are asked to do all in their power to discourage the export of these goods to the Chinese Empire. If any cargoes of morphine destined for China were already embarked before January 1, 1909, the Chinese Customs Department is to take account of the distance of the country of origin from China, and, if the cargo or cargoes should have arrived before January 1, but were delayed by stress of weather, the import will be permitted, but at the old rate of duty.

#### Failures in 1908

Mr. Richard Seyd, F.S.S., has issued his annual comparison of failures in the United Kingdom covering the last three years. It shows that the number of failures during 1908 was 9,562 (4,900 bankruptcies and 4,662 deeds of arrangement, including Scotch trust deeds), of which 925 (427 bankruptcies and 498 deeds of arrangement) were in the financial, wholesale, and manufacturing branches of trade, 633 (524 bankruptcies and 109 deeds of arrangement) among the professional classes, etc., and 8,004 (3,949 bankruptcies and 4,055 deeds of arrangement) in the retail trades and working classes. Amongst wholesale chemists and druggists there were 13 failures in 1908, compared with 5 in 1907 and 11 in 1906. Retail chemists and druggists showed 69 failures, being seven less than in 1907, but in 1906 there were 78. Last year, however, had fewer bankruptcies in the retail than in the previous two years—viz. 22, as compared with 23 and 31, deeds of arrangement numbering 47 both in 1906 and 1908. Forty-five surgeons, physicians, and dentists failed, against 47 in 1907 and 50 in 1906. During the past twenty-one years the failures of 1908 have been exceeded on five occasions, the worst year being 1893, when 10,658 sought relief from the courts or their creditors.

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A LITTLE CHAP in Philadelphia whose father is a prominent merchant, and as such advertises much, one day asked his mother: "May Lucy and I play at keeping store in the front room?" "Yes," assented the mother, "but you must be very quiet." "All right," said the youngster, "we'll pretend we don't advertise."



## Extending a Proprietary.

By Thomas Russell.

### II.—About a Good Name.

IN the first paper of this series I referred to the desirability of making any article that is intended to be pushed as a proprietary distinctive and individual. If you look at the medicines and other proprietary preparations which have attained large general sale, you find that they almost invariably began with this quality of distinctiveness, and that they generally originated, in the first place, with a retail chemist. They may not be unique by now, but that is because their success has led to imitation. They were distinctive, and probably unique, when they were started.

This rules out, for the purposes of extension, the large class of retailers' proprietaries which are only got up to sell in place of some well-known "patent." With all the force of large advertising appropriations to back them, it would be silly to try to fight these things on their own grounds, outside the shop. They are not always very easy to compete with even inside. It is a good deal better, therefore, to use one's ingenuity in striking out a path for oneself. Now, I cannot suggest what ought to be chosen to be pushed. That is not my business, and I have not the technical knowledge. If I had, I should not be telling other people how to do it, and to make money, as they assuredly can: I should be doing it myself, and making the money. But on the assumption that a suitable speciality has been devised, I can, and will, show how the sale of it can be developed outside the shop.

First, the proprietary must be put into shape for sale, and there are some technical details on this work proper to be discussed in advance. The first is to give the new proprietary a name. Now, in choosing a name we must look to the future, and the long future. A name that would be entirely satisfactory for an article to be sold only in the shop, may be ruinously disastrous if adopted for something having a sale elsewhere. Frazer's Sulphur Tablets was a perfectly satisfactory title at first, and, of course, this article was widely advertised. But the sale was eventually killed through the fact that sulphur tablets can be made and sold by anybody. Somehow the name Frazer did not stick tight enough to the goods to keep for the advertiser the business created by his advertising. It is a great help if one can invent a title which is distinctive and at the same time capable, in case of need, of being protected by law. Sometimes a fancy name can be invented which gives an idea of what the goods are, and at the same time has sufficient originality to enable the inventor to claim a monopoly in it, and to get it registered as a trade-mark. Perhaps the happiest example of this is the word "Tabloid." Anyone reading the word "tabloid," even if it had not been widely advertised, would gather that it means a little disc of medicine, and yet the name was an invented word, and, as such, is a monopoly. "Iron-ox" is a very suggestive title; yet it has proved to be a good trade-mark. Let us, therefore, first try to find a name which can be registered as a trade-mark. The fees for this registration are not heavy, and if the Comptroller accepts a title as a mark it can nowadays be generally held. This has not always been the case, but the Comptroller of Trade-marks is more particular nowadays than he used to be.

If the difficulty of finding a fancy name should prove insuperable, it is wisest, taking a long view, to exclude descriptive words altogether, and use a personal name in the possessive case—Smith's Sinapism, Jones's Jujubes. There are plenty of examples of success on this plan; with Pears' Soap, Hall's Wine, Beecham's Pills to point the way, and no one need be much afraid of a plain possessive for a title.

Having chosen a name, the next thing that has to be done is to decide the form in which that name shall be placed on the goods; in other words, we have to design a wrapper and a label—a subject which will be dealt with in the next article.

"THE CHEMIST-OPTICIAN" is just what I wanted, says "W. H. O." (41/10).

## Selling Chemists' Businesses.

By Jay Mack.

WHY don't some chemists' businesses sell? That is the question which in the answering lays bare some of the weak spots in the pharmaceutical chain-mail, and, incidentally, those who are willing may in studying it benefit themselves and the whole "craft."

We know very well that it is difficult to sell some businesses, yet many do sell, though how long they have been on the market is another story. At present I want to show how to get a business into selling order to suit the pocket of the average buyer of to-day without serious loss to the seller, or, in fact, without any loss compared with the sacrifice which sometimes has to be made.

I firmly believe that the demand for businesses equals the supply but does not exceed it, and that capital has been frightened away for a time less by legislation or modern competition than by disorder in shops, want of books and reliable figures, and the impossibility of getting some sellers to recognise the actual business value of what they have to offer. Niggard landlords and unsuitable premises are equally great restraints upon trade. Every thinking man knows we do not need new shops, because in the present state of trade, restricted as it is and will be by the lack of dispensing, by companies, by co-ops., and by small-shop trading in drugs, there is no real need for more chemists' shops. At present few are being opened.

Men with cash are looking for shops. There are heaps of inquirers, nearly all having the specified amount of capital (or near it), but they seem afraid to venture because the past history of the selling of shops has been of the "pig-in-the-poke" variety. Chemists who have had twenty, thirty, or forty years' experience of successful personality-trading cannot understand the drift of, or the need for, a statement of gross profit, shop expenses, and net profit. Others who can give these figures frighten away buyers because of the huge stocks which they carry, and which they have been led into buying to replace the loss of the dispensing, etc. These big stocks are often totally unnecessary for their position and class of trade, and buyers even who have the cash or the credit can see quite clearly that the net profit does not warrant them sinking so much capital, let alone borrowing part of it.

There are yet others (it's no use denying it) who, well knowing some defect in their business, set themselves to conceal vital facts as best they can, and entrench themselves behind the "no books" wheeze. They have persuaded themselves that their lame duck is a beautiful swan; they have told all their friends that they are always doing well; they know little of any business but their own, and not much about that which is any use to a buyer; they seem constitutionally unable to get down to hard facts—yet these men belong to a trade whose honesty is proverbial. The "no books" apology is useless unless the seller is prepared to give it away, and as the majority of men are strictly honest I propose to show them how they can make out a balance-sheet for themselves both quickly and effectively, even if they have not kept any other books than "cash receipts" and an ordinary customers' ledger.\*

Gross profit is surely the simplest question (although a friend of mine who is making 500% annually calls it the most melancholy job of the year). If you do not take stock you can estimate it, but in that event must estimate last year's and this year's stocks to be the same figure unless you know it to be otherwise. Say your year ends June 30:

Striking a  
Balance

\* A customers' ledger is distinct from a private ledger, which latter shows your total "incomings" and "outgoings" for the year.

When the Registrar in Bankruptcy calls for the "ledger," meaning, of course, the private ledger, and the innocent and lamb-like debtor hands up his only ledger showing his customer's accounts, I often wonder whether the lamb-like innocence is real or the other thing.



*Trading Account.*

Stock, 1907 ... .. £400	Cash takings ... .. £1,300
Purchases for year ... .. 900	Debts due me ... .. 50
(paid for) ... .. 900	Stock 1908 ... .. 400
Gross profit ... .. 450	
£1,750	£1,750

To get your purchases for the year (if you haven't a Bought Ledger) go through your bank-book and make a list of payments for stock, taking care to exclude all expenses, own drawings, family expenses, etc., thus :

*Profit-and-Loss Account.*

Cr.		Dr.
Gross profit as above ... £450	Rent ... .. £50	
	Rates ... .. 10	
	Wages ... .. 30	
	Lights ... .. 10	
	Petty cash ... .. 10	
	Carriage ... .. 5	
	Advertisements ... .. 10	
	Sundry expenses ... .. 25	
	Net profit ... .. 300	
£450	£450	

This points to a business with quite ordinary gross profits, but economically worked with apprentices. If with assistant it would be 80% less net profit. To get at your expenses examine your bank-book again, this time for all shop expenses only excluding all own drawings, family expenses, etc., on behalf of house or family :

GROSS PROFIT is the difference between the cost and selling price of stock.

NET PROFIT is the balance of gross profit after payment of shop expenses needed to sell your goods.\*

As your family is not necessary for the sale of your goods, you can see why family expenses must not appear in your shop expenses. The London coster, who buys his goods and sells them the same day in the open air, finds that his net and gross profit are nearly synonymous because his expenses are so few. He turns over his stock once every working day in the year, and his capital may be only 1*l.*, so that 25 per cent. for him means 5*s.* a day, 30*s.* a week, and 60 per cent. of course 10*s.* a day and 3*l.* a week.

Here let me point out how the last 200*l.*, say, of a chemist's returns may be actually reckoned the gross profit as if it were the net, because supposing he is making 200*l.* a year on 1,000*l.* returns (being an average net profit of 20 per cent. on the goods sold up to 1,000*l.*) when he, during a good year and without any unusual outlay finds he has taken 1,200*l.*, his net profit will be as under :

$$\begin{aligned} 20\% \text{ net profit on } £1,000 &= £200 \\ 33\frac{1}{3}\% \text{ gross profit on } £200 &= £66 \end{aligned}$$

$$£1,200 \quad £266 \text{ net profit}$$

This is because the same rent, rates, wages, light, licences, etc., have been paid, and the extra 200*l.* gives no extra trouble to take except that the staff had fewer opportunities to rest or waste time during each day.

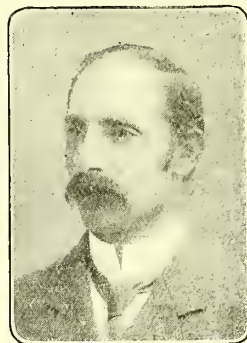
All this infers that you are thinking of selling your business, and I have shown how easy it is to arrive at fairly definite figures with very little trouble. In the next article I will show how you can, if you wish, reduce your stock to 200*l.* per 1,000*l.*, and also how a buyer with only 300*l.* to 350*l.* can easily buy a 500*l.* "live" business for his 300*l.* cash.

\* Your own salary must not be included in shop expenses, although you are necessary for the selling of the goods. The reason of this is that each man would have a different idea of his value; hence the Income Tax Office debars you from putting down your own salary as an expense, but allows you an exemption of 160*l.*, which practically enables you to draw 160*l.* of wages free of income-tax.

THE "British Medical Journal" for January 2 devotes an editorial to the work in anthropology of Mr. J. F. Tocher, B.Sc., pharmaceutical chemist, on the pigmentation characters exhibited by school-children in Scotland. The subject has been dealt with already in these columns (*C. & D.*, 1908, II., 652).

**Winter Session.****Association Presidents.**

THE Isle of Thanet Chemists' Association is one of the more recent organisations of retail chemists in England. It



MR. HEWLETT.

comprises the group of towns, Birchington, Westgate, Margate, Ramsgate, Broadstairs, and one or two others on the coast of that part of Kent which at one time was an island and is still, at high tide and the rainy season, sufficiently separated from the mainland to warrant the old name. The Association meets alternately in Margate and Ramsgate, and this year's President is Mr. James Hewlett, who is in business at 26 Ethelbert Road, Margate. Mr. Hewlett is by birth a Proud Salopian, and was apprenticed to the late Mr. Charles Kitching, of Oakengates, one of the kindest of apprentice masters, who had a very mixed business, so that his apprentices got an all-round training in almost everything except true pharmacy. After his apprenticeship Mr. Hewlett went as an assistant to Cambridge, where he made up the deficiency of his apprenticeship training in pharmacy. Subsequently he had experience in London, West and South-West, and passed the Minor examination on October 24, 1879. His first essay in business on his own account was at West Norwood; then he went to Beckenham, and afterwards to Margate, always keeping up an interest in London. Mr. Hewlett's conception of the individual factor in pharmacy is sufficiently illustrated by a remark which he makes that he considers man's identity of little account, hence the name which he finds on the fascia (when left untarnished) answers his purpose. He believes in working hard and playing well, and that both can be done best side by side. In short, that the enjoyment of life is at its fullest when business and pleasure are combined. He is an ardent cyclist, and we do not blame him considering the fine roads and historic scenes of Kent.

**Brief Record.**

**Halifax.**—The annual meeting of the Halifax and District Chemists' Association was held at the Old Cock Hotel, Halifax, on Tuesday evening, January 5. Messrs. W. E. Smithies (President), H. C. Brierley, G. M. Cobb, C. Fielding, J. W. Tiffany, R. V. Sutcliffe, J. E. Binns, and P. W. Swire (Secretary) were present. Mr. H. C. Brierley was elected President, and, in thanking the members, said he had held the position before, and was not particularly anxious to have it again, but now he had taken it he hoped the members would support him as they had Mr. Smithies, who had made an ideal President. The other officers appointed were: Vice-presidents, Messrs. Smithies and Black; Treasurer, Mr. J. Swire; Secretary, Mr. R. V. Sutcliffe; Committee, in addition to officers, Messrs. Gibson Dixon, H. K. Woodward, and J. W. Tiffany. Mr. P. W. Swire has held the secretaryship for five years, and wished to retire. Mr. C. Fielding expressed thanks for the Association's letter of sympathy with him in his illness a short time ago. Mr. Tiffany moved, and Mr. Binns seconded, a vote of thanks to the retiring officers, Messrs. Smithies and P. W. Swire responding.

**New Books.**

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application (with remittance) to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Allbutt, Sir Clifford, and Rolleston, H., eds. *A System of Medicine*. Vol. IV., Part 2. 9x5½. Pp. 584. 25*s.* net. (Macmillan.)

Archibald, R. D., and Rankin, R. *Electrical Laboratory Course. For Junior Students*. 7½x5. Pp. 96. 1*s.* 6*d.* net. (Blackie.)

Beattie, J. M., and Dickson, W. E. C. *Text-book of General Pathology*. 8vo. 17*s.* 6*d.* net. (Rebman.)

*Business Man's Handbook*. 8vo. Pp. 136. 1*s.* 6*d.* net. (Curtis Gardner.)

Edgar, E. C. *On the Atomic Weights of Chlorine*. 1908. 4to. swd. 1*s.* net. (Dulau.)



# Pharmaceutical Society of Great Britain.

## COUNCIL-MEETING.

THE first half-hour of Wednesday's meeting was taken up with speeches of congratulation to the President and officers on the passing of the Poisons and Pharmacy Act, which event seems to have given satisfaction to the majority of the Council. The Benevolent Fund Committee made grants amounting to 135*l.*, and appeals for more subscriptions were made by the Vice-President and Mr. Cross. The Vice-President announced that there is an improvement in the balance on the finances of the past year, but he foreshadowed heavy expenses which are likely to be incurred during the present year. Among the correspondence was an inquiry regarding the attitude to be taken up by chemists as to opposing the grant of poison-licences, and another letter suggested that the ink used for signing certificates should be improved in view of the obligation to exhibit certificates imposed by the new Act.

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on January 5. There were present the President (Mr. J. R. Young), Vice-President (Mr. J. F. Harrington), Treasurer (Mr. Walter Hills), Mr. C. B. Allen, Mr. A. S. Campkin, Mr. W. G. Cross, Mr. J. H. Cuff, Mr. W. L. Currie, Mr. W. H. Gibson, Mr. R. L. Gifford, Mr. D. Gilmour, Mr. A. Hagon, Mr. A. E. Hobbs, Mr. G. T. W. Newsholme, Mr. P. F. Rowsell, Dr. C. Symes, and Mr. E. White.

### ACKNOWLEDGMENTS.

The minutes of the previous meeting having been read, the Secretary announced that he had received letters of thanks for condolences from Mrs. Flux and Dr. MacGregor Robertson. Sir Thomas Barclay and Sir Donald MacAlister also thanked the Council for congratulations on the recent honours conferred upon them by the King.

The PRESIDENT said that the usual Christmas cards were sent out to divisional officers and colonial pharmaceutical bodies. Many return cards had been received, one or two of an original type. He instanced the card from the Queensland Pharmacy Board which was mentioned in THE CHEMIST AND DRUGGIST, January 2, p. 17.

### POISONS AND PHARMACY ACT.

The PRESIDENT then referred to the passing of the Poisons and Pharmacy Act which has happened since the last meeting of Council. For weal or woe the Act has to be accepted, and it rests with them to make the best out of it they can. Some months ago the Council placed in his hands the power to conduct negotiations with the promoters of the Bill. This had been to him a matter of considerable anxiety, and he had used his best endeavours to do his best for the Society. It was a matter of satisfaction to him that what he had done appears to have met with the cordial acceptance of the vast majority of their constituents. (Hear, hear.) Recognising that the Act will soon be the law of the land it behoves the Council to do their very best to extract the greatest possible good out of it that they can. The Act is not all that was desired, but they must consider what a narrow escape pharmacy had had of something very much worse. The Bill was a Government Bill, and every means was taken to whip it into a shape more acceptable to chemists. This had needed discretion and much ability which had been supplied by Mr. Glyn-Jones and other officers of the Society with his connivance. The Act is now an accomplished fact, and it would be comforting to one in his position to know that the feelings of their constituents are shared by the Council.

Mr. NEWSHOLME said he desired to say that the Council appreciated the services of the President. They were all satisfied with the magnificent way he had worked for the good of the Society. He had shown a wonderful amount of patience during the last few months.

The TREASURER, agreeing with the remarks of Mr. Newsholme, said the work done by the Parliamentary Secretary could not be spoken of too highly. He congratulated

the President on the passing of such an important Act affecting the business.

Mr. GILMOUR said there had been in Scotland no excitement regarding the Bill but intense interest. Good meetings had been held, and after the position had been explained and questions answered chemists had been able to see the wisdom of the position that had been taken up. He especially mentioned the services to the Society of Mr. J. Rutherford Hill, the Assistant Secretary in Scotland, whose clear and enthusiastic statements of the scope of the Bill had convinced those who were inclined to cavil.

Mr. CAMPKIN wished to join in the pæan of commendations, although he had not seen eye to eye with the Council's policy. The President had saved chemists from something worse by procuring alterations in the Bill which have made it to some extent acceptable. He was sure the Act would be more appreciated when it had been in active working for some years.

Dr. SYMES said that although he opposed the Bill in the early stages he came round when he saw a chance of obtaining qualified control of shops carrying on a chemist's business. The work of the President and officers and members of Parliament had put the Bill into such a shape that it will be a very useful measure. He hoped steps would be taken to effectively work the Act, especially referring to the power given to divide the Minor.

Mr. GIFFORD said that in his personal appreciation of the President he was second to no one, his differences being on policy. He desired to place it on record that it was through Mr. Philip Snowden that the title "pharmacist" has been safeguarded for chemists' use.

Mr. HOBBS expressed his admiration of the way the President had by his persistence brought to a conclusion a most difficult Bill.

Mr. HAGON said he had fought for principles, and he hoped that nothing he had said rankled with the persons he had been obliged to oppose.

Mr. ROWSELL proposed a resolution of thanks and appreciation to the President, which was seconded by the Treasurer.

The VICE-PRESIDENT, in putting the resolution, which was carried unanimously, said the task of the President had been one of great stress and trouble at times.

The PRESIDENT, in acknowledging the resolution, said he had never mistaken conscientious opposition for personal feeling. It is a case of "honours being divided" in that Mr. Chater, Mr. Glyn-Jones, Mr. J. R. Hill, and other officers of the Society all have a claim to the honour for the vigour and enthusiasm they have brought to bear in the matter.

### ELECTIONS AND RESTORATIONS.

A number of chemists were elected members of the Society. Others were restored to their former position, and some student-associates were elected. Four persons were restored to the register of chemists and druggists after having made the required declaration and paid the fee of one guinea.

### BENEVOLENT FUND.

The report of the Benevolent Fund Committee was next considered *in camera*, after which

Mr. CROSS, in proposing the adoption of the report, which recommended grants of 135*l.* to ten applicants, said that although there is an overdraft at the bank the Committee could not have withheld relief to these deserving persons. He hoped that subscribers would increase rather than diminish their subscriptions.

The report was adopted, and the Treasurer was empowered to pay the annuitants their allowances on the usual quarter days during 1909.

### HOUSE COMMITTEE.

The Treasurer next presented the report of the Library, Museum, School, and House Committee. This referred to small matters in connection with the libraries and school. Messrs. Parkinson's bill for 11*l.* 19*s.* 6*d.* was approved.



The Secretary was asked by the Committee to draw up a draft declaration of trust in connection with the prize offered by Mr. J. C. Hewlett.

The report was adopted without discussion.

#### FINANCE.

The report of the Finance Committee was then submitted by the VICE-PRESIDENT. The following is an abstract. The receipts during the month were:

	£	s.	d.
Penalties and Costs ... ..	116	9	0
Subscriptions ... ..	11	11	0
"Journal" and Publications ...	663	5	3
Restoration Fees ... ..	1	1	0
Registration Fees ... ..	58	16	0
School Fees ... ..	31	13	1
Examination Fees ... ..	1500	1	0
Sundry Sales ... ..	26	16	11
	£2409	13	3

After deducting the amount of the payments authorised by the Council last month there remains the sum of 1,507l. 12s. 6d. from which the following amounts recommended for payment have to be made:

	£	s.	d.
On Behalf of the "Journal" and Publications ... ..	760	4	3
Stationery, etc. ... ..	59	17	2
Current Expenses ... ..	600	0	0
Salaries, etc. ... ..	271	13	4
School and Examinations ...	56	18	8
Law Charges ... ..	95	3	8
House ... ..	73	12	7
Library ... ..	9	18	9
	£1927	8	5

The following balances are shown on the Benevolent Fund accounts:

	£	s.	d.
Current Account (overdraft) ...	85	2	2
Donation Account ... ..	33	5	6
Orphan Fund ... ..	207	18	4

In moving the adoption of the report, Mr. Harrington drew attention to a balance of 1,500l. which was to the credit of the Society at the end of 1908. This he said was over 400l. better than the corresponding period of 1907. He congratulated the Society on this, but mentioned that the coming year would need much money for reconstructing the Minor laboratory, redecorating the interior of the building, and for republishing "Our Codex." He said the overdraft on the Benevolent Fund had been partly met by donations and special subscriptions, among which were 21l. from Mr. Edward Samuel (Mussoorie, India), 11l. 12s. 6d. from the Stockport Chemists' Association, 11l. 3s. from the Glasgow School of Pharmacy, and 10s. 6d. from the Chemists' Assistants' Association. The Vice-President added that subscriptions rather than donations were wanted, as a donation of say five guineas only brings in about 3s. a year—the money having to be invested. Subscriptions are at once available for distribution.

Some conversation took place regarding the alterations in the Minor laboratory, and

The TREASURER remarked on the good work which the Vice-President had done during the year as Chairman of the Finance Committee.

The report was adopted.

#### MISCELLANEOUS.

A communication was received from the Colonial Office regarding a British Honduras Ordinance for instituting examinations for chemists and druggists and regulating the sale of poisons. "It contains," said the Secretary, "some very curious provisions." It was passed on to the Law Committee.

Mr. W. H. Fowler (Redhill) asked for advice from the Council as to the attitude to be taken up regarding the granting of poison-licences. It is the intention, he wrote, of a wholesale dealer in horticultural poisons to appoint agents in every town, and the writer wished to know whether chemists should oppose the granting of such licences.

Another correspondent complained of the ink employed in filling up the examination certificates. Now that the certificate will by law have to be displayed it would be well that the Society procured some ink of a more permanent character than that hitherto used.

Mr. ALLEN: This is an old standing scandal. It is easy to get a permanent ink.

The PRESIDENT: I take it the complaint is regarding certificates of many years' standing.

The SECRETARY: Some as recently as five years ago have faded.

Mr. Claude Henry's appointment as superintendent of written examinations in Scotland was confirmed.

Mr. S. Bowman was appointed divisional secretary for the Silksworth division of Durham.

Resolutions approving of the Council's policy were received from the Blackpool and Fylde Chemists' Association, the Guildford Chemists' Association, and meetings of chemists at Preston and Dunfermline.

The Glasgow and West of Scotland Chemists' Association sent a copy of the Association's Formulary for the Society's library.

The General Secretary of the National Chamber of Trade congratulated the Society on the passing of the Poisons and Pharmacy Act, and expressed gratification that the Chamber had been able to assist in securing the enactment of the measure.

Dr. SYMES added that the meeting of chemists in Liverpool last month was one of the most successful ever held in that city. A resolution in favour of the Council's policy was carried unanimously.

The SECRETARY reported that he had registered twenty-three apprentices or students since the last Council meeting.

This concluded the public business.

## Society of Chemical Industry.

### LONDON SECTION.

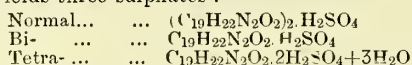
A MEETING of this Section was held at Burlington House, Piccadilly, W., on January 4, Dr. J. Lewkowitsch in the chair. After the minutes of the previous meeting had been read, the Chairman called on Mr. B. F. Howard to read a paper by himself and Mr. O. Chick entitled

#### CINCHONAMINE AND CERTAIN OTHER RARE ALKALOIDS.

Mr. Howard began by referring to his paper on cinchonamine which he read before the section in December 1905 (*C. & D.*, December 9, 1905, p. 926). In this communication it was pointed out that cinchonamine was remarkable among the cinchona alkaloids for the extreme insolubility and easy crystallisation of its nitrate, the suggestion being made that in certain cases the alkaloid might be employed as a gravimetric test for a nitrate. Since then Mr. Howard and Mr. Chick have used the alkaloid in this manner with good results in certain cases. Tried on potassium nitrate the mean result showed 97.31 per cent., against 97.55 per cent. by the nitrometer method. It is necessary to employ a large excess of cinchonamine solution to ensure complete precipitation. Excess of hydrochloric acid is added on mixing the solution, and the mixture allowed to stand for twelve hours to crystallise. The amount of wash-water should be limited. The test did not answer with bismuth subnitrate. With quinine nitrate the process was satisfactory, the average results being 97.7 per cent. Consistent results were obtained with a mixture of nitric acid and acetic acid, and with urea nitrate the method answered well, being much less difficult to carry out than the recognised processes. The conclusions of the authors are that the method is as accurate although slower than the nitrometer test. Although the alkaloid is expensive there need be no loss of reagent as it can be readily recovered. The rest of the paper was taken up with a consideration of the constitution of certain cinchona alkaloids. The results are shown in the table given herewith, which is copied from one affixed to the wall of the lecture-room.



In regard to cupreine Mr. Howard stated that this alkaloid readily yields three sulphates :



Alkaloid	Specific Rotation	OCH <sub>3</sub> Group	Molecular Weight Found	Molecular Weight Calculate	Formula
Cinchonine ...	+226° 30	None	—	294	$C_{19}H_{21}N_2(OH)$
Cinchonidine...	-70°	None	—	294	$C_{19}H_{21}N_2(OH)$
Cinchonine...	+47° 13	None	—	294	$C_{19}H_{22}N_2O$
Cinchonamine...	+120°	None	292	296	$C_{19}H_{24}N_2O$
Cupreine ...	-163° 45	None	314.4	310	$C_{19}H_{22}N_2O_2$
Quinine ...	-145° 12	One	—	312	$C_{19}H_{20}N_2(OH)(OCH_3)$
Quinidine ...	+236° 48	One	—	312	$C_{19}H_{20}N_2(OH)(OCH_3)$
Quinicine ...	+35° 40	One	328.2	324	$C_{19}H_{21}N_2(OCH_3)$
Concunscine .	+20°	Two	398.8	394	$C_{21}H_{20}N_2O_2(OCH_3)_2$

In the discussion Mr. David Howard said he had been working at the cinchona alkaloids for fifty-five years, and was only dimly beginning to see how little he knew of them. He was much interested in the application of the newer methods in this research. What the relation of the methoxy group is is not at first obvious. He should have expected cupreine to have resembled quinine, so much alike are these two alkaloids. Quinine gives three sulphates, although the double acid sulphate is very difficult to obtain.

Dr. Power said the subject was a very interesting one, and he was glad to note that the association of the Howards with cinchona research through several generations is being continued.

Mr. Chapman inquired as to the cost of cinchonamine, and also asked in what solution the specific rotation was determined.

Mr. Cross asked if the test answers for ethereal nitrates.

Dr. Morgan wished to know whether nitrous acid interfered with the test.

Mr. B. F. Howard, in reply, said the solvent employed for taking the specific rotation was alcohol. The cost of cinchonamine is about 30s. an oz. The method has not yet been tried for ethereal nitrates, nor has the influence of nitrites been investigated.

Dr. Lewkowitsch inquired why alcohol was used instead of chloroform as the solvent in taking the specific rotation of quinine salts.

Mr. David Howard replied that published results have always been with an alcoholic solution, so it was considered advisable to continue the use of the alcoholic solvent.

The next paper was by Messrs. W. P. Dreaper and A. Wilson on "Reactions between Dyes and Fibres," but was of little interest to pharmacists.

#### TESTING DISINFECTANTS.

The next paper by Dr. S. B. Schryver and Dr. R. Lessing was entitled "A Physico-chemical Method for Comparing the Antiseptic Value of Disinfectants," and was read by Dr. S. B. Schryver. Mention was first made of the methods of testing disinfectants, these including the "thread" method of Koch and the Rideal-Walker process. The objections to the latter process were stated to be that the test does not represent the conditions under which disinfectants are employed on a large scale, the absence of organic matter exerting a marked influence on the carbolic-acid coefficient. The ways in which organic matter can modify a disinfectant are (1) by directly destroying it as in the case of potassium permanganate, (2) by its physical condition—solubility or otherwise, (3) by absorbing the disinfectant. An example of the last-named was discovered in testing some tri-phenols which were found to be no longer active in the presence of serums. Large numbers of modern antiseptics are in the form of emulsions, and it is undoubted that the efficiency of the disinfectant depends on the degree of emulsification. The presence of proteins may modify the process of de-emulsification. After thus showing the complex factors which are concerned in testing antiseptics, the authors devised an alternative method based on the inhibition of the rate of putrefaction in the presence of disinfectants. Putrefaction changes the proteins by hydrolysis with the formation of albumoses and peptones, which degrade into amino acids and then into ammonia and fatty acids. It is easy to plot out the rate of the chemical

change which takes place in putrefaction and to determine this by the changes of electrical conductivity. The lecturer then showed on the screen the form of resistance apparatus which is employed, the tests being conducted with a medium containing 5 per cent. of gelatin and 1 per cent. of peptone, to which an emulsion of faeces is added. The curve of resistances—time in hours—which such a solution exhibits on putrefaction was plotted, and side by side were other diagrams showing the inhibitory influence of disinfectants when added in certain definite amounts, the period of incubation being five days. Dr. Schryver pointed out that the method was only in the preliminary stages, and that the authors were anxious for the present to avoid the term "standardisation," owing to the complexity of the problems involved in the process. It may be possible to obtain a numerical ratio such as the time taken to inhibit putrefactive changes. The process is simple to work, has a wide range of applicability, and a large number of samples can be done in a short time.

#### DISCUSSION.

The Chairman said the authors had only referred to proteids. He would like to know how the method would act with the fats present in sewage.

Dr. Dreyfus, a visitor from the United States, referred to the importance of the subject, and said that the disinfectant business is somewhat discredited in the eyes of the public owing to the sale of bogus disinfectants by unscrupulous manufacturers.

Dr. Plimmer pointed out the simplicity of the process, and noted that it is a method of measuring the amount of action and not the number of bacteria present.

Dr. Somerville, although not prepared to discuss the paper, thought there might be enzymic influence at work. He also referred to the importance from a physiological standpoint of a study of the flora of the upper and lower alimentary tract.

Mr. Wynter Blyth inquired how the process compared in the case of formalin and the emulsified disinfectants. Does it give high results with substances which are poor disinfectants? He was doubtful as to the process being a true index of the disinfecting value of the substances which are called antiseptics.

Dr. Rideal said the paper opened up a new field of work—the antiseptic value indicated by the chemical change brought about in the presence of the substance. The method seems adapted to the determination of the value of preservatives. There is not sufficient data at present to show whether the peptone solution has a uniform resistance. He asked to what are the breaks in the curve due; the presence of salt would alter the conductivity. What does the change of conductivity imply?

Dr. Bousfield pointed out that there is a great difference between the academic and practical testing of disinfectants. Potassium permanganate, of the use of which he is a strong advocate on account of its selective action, cannot be tested by the Rideal-Walker method, and yet it is possible to completely sterilise London sewage with one part per thousand.

Mr. Gardner referred to the difference between germicidal action and disinfecting. The Rideal-Walker test fails with typhoid bacillus and with formalin and cresols of great germicidal power shows a low coefficient.

Mr. Elias quoted the results of recent investigations in Germany, which show that all absolute results which may be claimed with respect to the disinfecting powers of any preparation are valueless unless a distinction is drawn between inhibitory and actual germicidal effect.

Dr. Lessing replied. He contended that the method was a practical one because of the presence of organic matter, which was better than employing naked organisms. The Rideal-Walker test is splendid for what it is worth as a pharmacological factor. It had been ascertained that the change in electrical conductivity was bacterial and not enzymatic. No direct comparisons have been made with the Rideal-Walker test. Formalin and mercuric chloride show up well in test, being more powerful inhibitors than coal-tar disinfectants. Although the method only shows the inhibition effect it is obvious that it can be followed up to the killing stage.

Votes of thanks to the authors concluded the meeting.



## Trade Report.

**NOTICE TO BUYERS.**—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., January 7.

**B**USINESS has not yet attained normal proportions in drugs and chemicals, the bulk of the inquiries in the former being held over pending next week's auctions. The Messina essences and citric acid continue to absorb most attention, and the prices of lemon and bergamot oils have rapidly risen, as also have, in less degree, orange oil, lime oil, and lemon-juice. The English makers' price for citric acid is quite nominal, and in foreign a good business has been done at advancing rates. Citrates have advanced, and in iodine preparations certain alterations have been made by makers on the smaller quantities, minimum lots being unchanged. Ethers from duty-paid s.v.r. have been advanced 1*d.* per lb., and other spirituous preparations, such as spt. ether. nit. and spt. ammon. aromat., have followed. Santonin is again firmer in second-hands, and among the heavier chemicals copper and ammonia sulphates are higher, while soda nitrate is easier. Sulphur has advanced owing to temporary spot scarcity. Cocoa-butter and turpentine are easier. The table below gives the principal alterations:

Higher	Firmer	Easier
Bergamot oil Citric acid Ether, acetic Ethers (B P.) Lemon-juice Lemon oil Lime oil Orange oil Sulphur	Ammonia sulphate Copper sulphate Iodine preps. Santonin Shellac	Cocoa-butter Soda nitrate Turpentine

### Cablegram.

NEW YORK, January 7:—Business in drugs is quiet. Opium is unchanged but inactive at \$4.35 per lb. Mandrake (podophyllum) root is firmer at 7*c.* Cascara sagrada is lifeless at 8½*c.* Peppermint oil in tins is firm at \$1.45, and hydrastis (golden seal) is nominal at \$1.80. Messina essences are scarce, and prices nominal at \$9 per lb. for bergamot, \$2.50 for lemon, and \$3 for orange oil.

### American Bromides.

No alteration in the conditions governing the American bromide market has occurred; the producers and dealers in domestic and foreign salts withhold supplies in excess of jobbing requirements, for which, in the case of potash, a price of 19*c.* is meantime established as a basis. The continued unsettled position seems to indicate that negotiations between the American and German manufacturers have not as yet been completed, and we hear on excellent authority that this is so, the point still at issue being the old one concerning the division of the markets. The German syndicate desires to have the European markets for its own exploitation, and, in return, is willing to keep out of the American field. It is scarcely to be wondered at that the American producers are unwilling to accede to this proposition without a substantial *quid pro quo* when the natural resources of the U.S.A. with respect to bromine and also the favourable position of the chemical works are taken into consideration. The bromine readily available is much in excess of domestic consumption, and the various compounds can be manufactured and exported at prices below those of the foreign makers. In consequence, while the German syndicate has been selling potash at 13*c.* in New York (presumably at a loss after paying import duty), American producers can sell

abroad at 10*c.* with profit, and have done so in the past. It is generally expected that the negotiations in some instances between the different interests will soon be conducted to a satisfactory issue, and that the present level of prices will be maintained if not exceeded. However, there is nothing available for speculative purposes.

**ACID, CITRIC.**—Although the English makers' price is stated to be 1*s.* 10*d.* per lb., it is quite nominal, they not being sellers in the present uncertainty regarding raw material; in second hands 1*s.* 7½*d.* to 1*s.* 8*d.* has been paid for English. In foreign make the business includes about 25 tons for United States account at up to 1*s.* 7*d.* per lb., but small consumers have had to pay 1*s.* 7½*d.* and even 1*s.* 8*d.*, sellers being reserved.

Writing previous to the Messina disaster, the British Consul at Palermo reports that the Italian Minister of Commerce has notified the Camera Agrumaria that its deliberation dated September 29, fixing the minimum price of citrate of lime of 64° at 157.50 lire (6*d.* 6*s.* per 100 kilos.) has been approved. From another source we learn that the Camera had commenced operations previous to the earthquake, and that a fair quantity had been deposited in the warehouses for sale through the Camera.

**ACID, TARTARIC.**—Quiet. Foreign is offered at 10½*d.* and English at 10¾*d.* per lb.

**ALOES.**—The arrivals comprise 25 cases of Curaçao and 7 of Zanzibar in skins, the latter mostly of good quality, which will be offered next week.

**BENZON.**—During the auction interval about 200 cases, mostly Sumatra, have been received at the warehouse, as also have two cases of fine Siam almonds.

**BROMIDES** remain unchanged, although a slight element of uncertainty has been introduced into the position, as the internal arrangements between the German and American producers do not yet appear to have been quite completed. The information we publish in another paragraph from an unimpeachable source throws further light on the matter, but the fact remains that there are no offers from the United States.

**CAMPHOR.**—Quiet. A small business has been done in Japanese 1-oz. tablets at 1*s.* 6*d.*, but 1*s.* 6½*d.* is now lowest, and 1*s.* 6*d.* for slabs.

**CARDAMOMS.**—With small arrivals, small stocks, and an anticipated American demand, better prices are looked for at the next auction.

**CASCARA SAGRADA.**—The "New York Commercial" of December 29 states that cascara sagrada on the spot remains quiet, with quotations nominally unchanged at 8¾*c.* to 9½*c.*, as to age, quantity, and seller. Considerable interest has been manifested in the announcement received by mail to the effect that the Pacific Cascara Co. had been incorporated under the laws of the State of Oregon, with a capital stock of \$250,000, of which more than \$127,000 is said to have been paid in. The business of the company will be "the handling of all kinds of medicinal barks, roots, herbs, etc., found on the Pacific coast, and especially that of cascara sagrada bark."

**CHILLIES.**—At auction 83 bags good to fine red Nyasaland sold at from 40*s.* to 43*s.* 6*d.* per cwt., and 20 baskets good red Java at 31*s.* 6*d.*

**CINCHONA.**—Further particulars in regard to the Amsterdam auction on January 21 show that the 9,422 packages weigh about 823,697 kilos. Java exports for December were 1,540,000 Amst. lb.

**CITRATES.**—The makers have advanced the price of ferri et ammon. cit. and potassium citrate to 1*s.* 7*d.* to 1*s.* 8*d.* per lb. as to quantity. Sodium citrate is also dearer at 1*s.* 10*d.* to 1*s.* 11*d.*

**CLOVES.**—At auction 40 bales of Zanzibar sold at 4¾*d.* for ordinary dark, and 5 cases picked Penang were bought in at 10½*d.* Privately Zanzibar have been quiet, the sales comprising January-March shipment at 4½*d.* to 4¾*d.* c.i.f., and March-May delivery at 4½½*d.*, closing buyers on Wednesday at 5*d.*

**COCOA LEAVES.**—At auction at Amsterdam, on January 21, 184 packages, weighing 11,197 kilos., will be offered.

**COCAINE**, with reduced stocks in second-hands, is steady; a limited quantity of hydrochloride is obtainable from first-hands at about 7*s.* 6*d.* per oz. net.

**COCOA BUTTER.**—At auction in London 30 tons of Cadbury's A Brand sold at from 1*s.* 0¾*d.* to 1*s.* 1½*d.*, the average



price being 1s. 0 $\frac{1}{2}$ d.; five cases of 3-oz. tablets sold at 1s. 2d.; in Amsterdam 80 tons Van Houten's realised 66.40 c., and 30 tons other brands partly sold at 58 c. to 60 c. per half-kilo.

**COPPER SULPHATE** has advanced 10s. per ton, to 21l. for Liverpool brands, February-April delivery being quoted 21l. 10s.

**DRAAGON'S-BLOOD.**—Some 30 cases, the arrival of which we reported recently, will be offered next week, part consisting of fair quality and part reboiled lump.

**ERGOT.**—Russian is quoted at 1s. 2d. on the spot.

**ETHERS.**—The price of B.P. ethers manufactured from duty-paid pure spirit have been advanced 1d. per lb., s.g. .735 being quoted 5s., s.g. .720 5s. 8d., s.g. .750 is 4s. 10d.; 12 W. qts. are 1d. per lb. less. Acetic ether B.P. has also been advanced 1d. to 3s. 3d. per lb. Other spirituous preparations, such as spirit. ether nit. and spirit. ammon. aromat., have been advanced.

**GAMBOGE.**—About 84 packages of various qualities have come to hand during the sale interval, so that there should be a good assortment on offer next week.

**GINGER.**—At auction 160 bags of slightly wormy and dimed Japan sold at 26s. per cwt. No Jamaica or Cochin was offered. Privately sales of washed Cochin have been made at 35s. spot.

**GLYCERIN.**—There is no abatement in the very firm tone of this market, most of the refiners being unable to sell at the recently advanced prices. In second-hands a limited quantity of double-distilled s.g. 1.260 quality is obtainable at 68s. in drums and at 72s. in tins and cases.

**IODINE PREPS.**—The British Iodine Preparations Combination have introduced a new scale of prices, making certain alterations on the smaller quantities of potassium iodide, showing an advance of 3d. per lb., the prices of which are now as follows: For 28-lb. lots 8s. 2d. (formerly 14-lb. could be had at this price), 14-lb. 8s. 5d., and less quantity 8s. 8d. per lb., less 5 per cent. The minimum quotation for 1-cwt. lots of potassium remains unaltered at 7s. 11d., but this quantity is now delivered carriage paid, instead of 2 cwt. previously. The makers will also deliver carriage paid less than 1 cwt. potassium iodide, provided the order is made up to 1 cwt. of assorted iodine preparations. A revision of the resublimed iodine scale shows a reduction of 4d. on 28-lb. lots and upwards, which are quoted 9s. 8d., instead of 10s., 14-lb. lots being quoted 9s. 11d., and less quantity at 10s. 3d. per lb., all net cash. The revised prices for iodoform are as follows: Crystals, powder and precipitated, 12s. 6d.; 14 lb. 12s.; and 28 lb. and upwards, 11s. 8d. net.

**IPECACUANHA.**—Quiet, pending the auctions next week. During the sale interval arrivals have been quite unimportant, comprising but a few packages of Cartagena.

**LEMON-JUICE.**—The London market is very bare of raw Messina, about the only holder asking 2s. 6d. per gal.

**MENTHOL** is selling slowly on the spot at from 7s. to 7s. 1 $\frac{1}{2}$ d. for Kobayashi.

**OIL, ANISEED (STAR).**—Business has been done at 4s. c.i.f., but this price has also been refused, 4s. 1d. being now lowest; spot is from 4s. 5d. to 4s. 6d.

**OIL, BERGAMOT,** has gone to a famine price, and the small stock here is being doled out to importunate customers, who have paid from 25s. to 35s. per lb. for 37-per-cent. to 38-per-cent. linalyl acetate; but there is practically nothing obtainable at either of these quotations now, values being in the neighbourhood of 40s., and even 45s. was said to have been paid on Change on Wednesday.

**OIL, CASTOR.** of Hull make is quoted 26l. per ton for medicinal, and 23l. 10s. for first pressing; a premium of 5s. is asked in each instance for January-June delivery, delivery free, ex wharf London. In Liverpool 3 $\frac{1}{2}$ d. per lb. is quoted for good seconds Calcutta.

**OIL, COD-LIVER,** remains very firm at 62s. 6d. per barrel c.i.f. for finest non-congealing Lofoten oil. It is reported from Norway that the stocks are now less than at the corresponding period of last year. From Bergen our correspondent writes on January 4 that, as usual at this season of the year, the market is very quiet, but holders are not anxious to sell, hoping for improved prices later; the previous quota-

tion of 59s. per barrel c.i.f. still rules. Exports from Bergen amount to 232 barrels, against 90 barrels at the corresponding period of last year.

**OIL, LEMON.**—Those who have spot stock have taken advantage of the unique situation to drive up prices frantically. Early in the week 10s. to 12s. 6d. was paid, but one dealer claims to have placed fair lines at 15s., these prices being paid by consumers who must have oil at any price. There does not appear to be much available on the spot, but with the resumption of the shipping service from Messina and Palermo the situation will no doubt ease, especially as the few Messina merchants now left would naturally turn any lemon oil they have or can obtain into cash. In fact the crop from which most of the oil is drawn is now being harvested by the farmers, who are the oil-makers, so that by March fair quantities will no doubt have been shipped.

**OIL, LIME.**—Distilled has been in good demand, and prices have advanced considerably, up to 2s. 8d. and 3s. per lb. having been paid for West Indian; four cases will be offered in the sale next week.

**OILS, FIXED.**—*Linseed* is easier at 21s. 6d. in pipes and 21s. 7 $\frac{1}{2}$ d. in barrels. *Rape* is nominal on the spot at 28s. 6d. for ordinary brown, and at 30s. for English refined in casks. *Crude Cottonseed* is firm at 23s. 6d., at 24s. 6d. for ordinary pale refined, and at 26s. 3d. for sweet refined. *Lagos Palm* is unchanged at 28s. 6d., and *Ceylon Coconut* is steady at 30s. 3d., and at 34s. for Cochin on the spot. *Petroleum* is unchanged at 7d. to 7 $\frac{1}{2}$ d. for ordinary refined American, 8d. to 8 $\frac{1}{2}$ d. for water-white, and 6 $\frac{1}{2}$ d. to 6 $\frac{3}{4}$ d. for Russian. *Turpentine* is dearer at 29s. 6d. per cwt. for American on the spot.

**OIL, ORANGE.**—Some small sales of sweet have been made at from 11s. 6d. to 12s. per lb., but 15s. to 15s. 6d. appears to be the lowest, business having been done to-day at these prices. Bitter West Indian has changed hands at 8s. and sweet at 13s. per lb., first-hands having cleared their stock at these prices.

**OIL, PEPPERMINT.**—American Wayne County oil continues firm, with small sales at 6s. 3d. per lb., but one agent still quotes 6s. 9d. for forward shipment.

**OPIMUM.**—A Smyrna dispatch, dated December 26, states that the sales for the week amount to 79 cases, of which 15 were at 125 piastres for old choice and 110 to 116 piastres for new, or 13s. 9d. and 12s. 2d. to 12s. 10d. per lb. c.i.f. It had been hoped that 130 piastres, or 14s. 4d., would have been obtained; but the Bank of Salonica, which holds the greater part of the stock of syndicated opium, fearing to lose the chance of business, suddenly ceded 50 cases at 13s. 9d. without the consent of the proprietors. The market closes steady, the arrivals amounting to 1,967 cases, against 1,231 cases last year at the same period. Writing on December 25 a Smyrna correspondent reports an active market, the sales amounting in all to 55 cases old selected Karahissar at 13s. 10d. for the U.S.A., and 30 cases new at 12s. 8d. for various destinations. Owing to the ready response by consumers the position has strengthened, and to-day it is a question whether holders will care to sell again at same prices. The weather continues cold, with severe frost in the interior, which prevents the continuance of the sowings. It is rumoured that further large purchases will be effected next week for the American market, and holders are contemplating an advance of 6d. per lb. The arrivals to date amount to 1,967 cases, against 1,321 at same period last year.

**PEPPER.**—At auction no supplies were offered; privately sellers ask 3 $\frac{1}{2}$ d. spot for Singapore, at which small sales are passing. For arrival, market is easier, with sellers at 3 $\frac{3}{4}$ d. c.i.f. d/w. At auction 25 cases Singapore were bought in at 9 $\frac{1}{2}$ d. for good, and about 30 bags fair sold at 4 $\frac{1}{2}$ d., and for arrival January-March shipment has changed hands at 4 $\frac{1}{2}$ d. c.i.f. d/w and sellers.

**PIMENTO.**—At auction 203 bags were bought in, comprising fair at from 2 $\frac{1}{2}$ d. to 2 $\frac{3}{4}$ d. per lb.; sellers of December-January shipment quote 18s. 6d. c.i.f.

**QUININE.**—Business does not yet appear to have opened in this product, but prices remain unaltered at from 7 $\frac{1}{2}$ d. to 8d. for German, and 7d. for Java sulphate.

**SANTONIN.**—Holders in second-hand are now asking 14s. per lb. The last business was done at from 13s. to 13s. 6d.



per lb., but holders now ask 14s. for a small quantity—an advance of, say, 1s. Makers are still unable to name a price.

**SARSAPARILLA.**—The arrivals at the warehouse since the previous auctions comprise 35 bales of grey Jamaica, 13 of Lima-Jamaica, and 25 of red and yellow Native, which will come to the hammer next week.

**SENNA.**—Practically 300 bales of Tinnevely senna will be offered at auction next week.

**SHELLAC** is rather firmer, with a fair spot trade passing on the basis of 82s. per cwt. for fair free T.N. orange; for arrival December-January shipment of T.N. has been sold at 80s. c.i.f. Early in the week futures were dearer, but the improvement was not sustained; January has changed hands between 81s. and 80s., March at 82s., and May at 88s.

**SODA, NITRATE**, is easier at from 10s. 3d. to 10s. 4½d. for refined, and from 9s. 9d. to 9s. 10½d. for ordinary; in Liverpool ordinary is quoted 10s. and refined 10s. 3d. per cwt.

**SOY.**—The new method in regard to the calculation of freight on soy has now been established. To arrive 1s. 2½d. c.i.f. is quoted, or 1s. 3½d. to 1s. 4d. per gal. spot for good thick.

**SULPHUR.**—Although prices in Sicily are unchanged, the disorganised shipping service has led to a temporary spot shortage, and prices in consequence have advanced 15s. to 20s. per ton, the spot price of *Flowers* being 7½., and *Roll* at from 6½. 15s. to 6½. 17s. 6d.

#### Java Government Cinchona-plantations.

The report on the Java Government cinchona-plantations states that the wet weather, which was a characteristic feature of the second quarter of the year (see *C. & D.*, October 24, p. 652), improved somewhat during the third quarter, and the dry spell proved useful to the young plants, and enabled a certain amount of cultivation to be done at all three stations. In particular, furrows were prepared at all the plantations, and in some cases planting out in furrows which had been exposed to the air for some months was begun. This plan of opening out furrows to a depth of 2 ft. some time before planting is undertaken seems to give good results, as it eliminates undesirable weeds, increases the formation of humus, and favours the production of a deep-reaching root system in the cinchona-plants, so that gardens formed in this manner rarely show diseased plants until they become comparatively old. The continuous wet weather had a bad effect on exports. The production of bark up to the end of September was 675,525 kilos., of which 503,515 kilos. went to Holland, 170,564 kilos. to the Bandung Quinine Factory, and 1,445 kilos. was retained for local use. The seed-harvest was poor; thirty packets of *Ledgeriana* seed were sold for 6,631 florins, two packets of "Hybrid" seed brought 250 florins, and eight of *Succirubra* realised 1,034 florins. The observations on the formation and transportation of alkaloid from the leaves to the stems mentioned in the report for the second quarter (*C. & D.*, October 24, p. 652) were confirmed by a series of three experiments, in all of which leaves kept in the dark were found to become richer in alkaloid than those exposed to the light, and the accumulation took place in the mid-rib and chief veins, which are the routes by which the alkaloids would pass into the stem. The report concludes with the usual table giving the numbers of plants in nurseries and plantations at the three establishments. From this it appears that the Government possessed at the end of September 9,570,200 plants, of which 3,860,000 were in nurseries and 5,710,200 planted out. Of the former there were 345,000 "*Ledger*," 1,885,000 "*Succirubra*," 1,360,000 "*Hybrid*," and 270,000 "*Robusta*." Planted out, there were 3,734,000 "*Ledger*," 206,200 "*Succirubra*," 1,770,000 "*Hybrid*," and no "*Robusta*."

#### Heavy Chemicals.

Business in the heavy chemical market has scarcely settled down as yet to normal proportions after the holidays. Although of course the prospects cannot be described as being of the brightest, there is a more hopeful feeling abroad, which helps towards keeping prices on the steady side. The main products of the alkali department are quietly steady, bleaching-powder ruling about 4½. 2s. 6d. to 4½. 7s. 6d. per ton for softwood casks free on rails; caustic soda is moving a little better, 76 to 77 per cent. 11½. to 11½. 2s. 6d., 70 per cent. 10½. 5s. to 10½. 7s. 6d., and 60 per cent. 9½. 5s. to 9½. 7s. 6d. per ton.

**SULPHATE OF AMMONIA.**—This product keeps in strong demand, and consequently firm tone is well maintained. Makers are holding back for better prices on forward delivery, and do not show much inclination to do anything except at a substantial premium on present figures. Nominal prices are: Beekton forward 11½. 12s. 6d. to 11½. 15s., Beekton terms

prompt 11½. 5s. to 11½. 7s. 6d., London 11½. 5s. to 11½. 7s. 6d., Leith 11½. 10s. to 11½. 12s. 6d., and Hull 11½. 7s. 6d.

**BARIUM PRODUCTS** are without material alteration. The demand is very fair and prices remain steady. Mineral carbonate of barytes has been well sold and supplies are scarce. Nominal figures are: 80 to 85 per cent. 60s. to 62s. 6d., 88 to 90 per cent. 75s. to 80s., and 92 to 94 per cent. 85s. to 90s., all net per ton, in bulk, in quantities, free on rails. Blanc Fixe pure precipitated sulphate of barytes, in paste form, 6½. 15s. to 7½. 10s. per ton in usual casks. Precipitated sulphate of barium by-product, dried and in powder form, 6½. to 6½. 10s. per ton. Mineral sulphate of barytes 45s. to 100s. per ton, according to quantity, quality, and package. Chloride of barium ordinary refined crystals firm and somewhat on the scarce side, 7½. to 7½. 10s. per ton. Crude calcined sulphide of barium, 70 to 75 per cent., 5½. 5s. to 5½. 17s. 6d. per ton. Hydrate of barium purest crystals 13½. 10s. to 14½. 10s. per ton in 6 to 7 cwt. casks, and fused concentrated barium hydrate, 56 to 60 per cent. BaO solid, in 5 to 6 cwt. drums, 13½. 15s. to 15½. per ton; crushed quality in special drums of about 3 cwt. each 30s. per ton extra.

#### Manchester Chemical-market.

Manchester, January 5.

As usual consumption has been largely lessened in consequence of the Christmas and New Year holidays. There is a feeling all round that we shall see a better state of things in the earlier months of the New Year. Meantime we cannot record much change in heavy chemicals. Bleaching-powder continues to rule low, but there is little doing in other respects. Sulphate of copper is again the turn dearer, and no doubt this is caused by the demand for shipment. At the close to-day holders asked higher prices. Brown acetate of lime is quoted 5½. 17s. 6d. to 6½. White powdered arsenic is scarce, but we hear of no change in price. There is more inquiry for caustic and carbonate of potash, and prices are well maintained. Lead salts are easier. Acetic acid and acetate of soda rule lower. Oxalic acid is fractionally lower for forward delivery—say 2½d. per lb.

### Colonial and Foreign News.

**PROPRIETARIES IN NICARAGUA.**—It is announced that patent and proprietary medicines may not be sold in Nicaragua in future unless a clear and exact description of the ingredients is printed upon the package containing the medicine. Those already in use in the country, and to which the new regulations do not at present apply, will be examined, and, after their composition has been ascertained, will also be brought within the scope of the new law.

**THE BRITISH GUIANA GOVERNMENT** are arranging to take over the Qualifying examination for chemists and druggists this year. They have appointed Mr. Harry Bamford, chemist and druggist, of the Public Hospital, Georgetown, lecturer in pharmacy, materia medica, dispensing, Latin, and prescription-reading; while Mr. English, science master, Queen's College, is the lecturer in chemistry and physics. Mr. Bamford has obtained a supply of the *C. & D.* Dose-tables, as he thinks they will be of the greatest assistance to his students.

**FACTORY-MADE GALENICALS IN GERMANY.**—The latest report regarding the revision of the statutes bearing upon pharmacy concessions in Germany is that the Federal Council proposes to do something which will better the position of apothekers as regards galenical preparations. In Germany these are now largely made by wholesalers, and this is regarded as a grievance by apothekers, who have to keep stock of certain specified articles, and bear the legal responsibility for them. What the Federal Council is to propose has not transpired.

**GREEK PHARMACY LAW.**—Dr. A. K. Dambergis, professor for pharmaceutical chemistry, was entrusted some time ago by the Minister of the Interior to prepare a new pharmacy law for Greece. The Bill has now been laid before the Parliament, and appears to have every chance of passing. The main provision of the law is the suppression of drug-stores. All existing drug-stores in the hands of qualified pharmacists will, on the enactment of the measure, be placed on an equal footing with pharmacies; others, however, will be forbidden to sell by retail drugs or make up prescriptions. This means that a time will come when Greece will only possess pharmacies.

MR. W. G. SMITH, of Messrs. R. W. Greeff & Co., 20 Eastcheap, E.C., returned from his United States trip per *Lucania* on Wednesday last.



## London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of December 1902, and to the stocks on December 31.

	December		Stocks		1902	
	Landed	Delivd.	1902	1907	Imprtd.	Delivd.
Aloes.....cs. etc.	261	125	461	284	2,071	1,874
... gourds, etc.	—	60	1,208	1,551	566	909
Anised, star.....cs.	—	50	74	—	135	61
Arrowroot.....pkgs.	33	635	6,421	5,762	12,446	11,787
Balsams... cks. etc.	127	192	362	508	758	911
Calumba.....bgs.	80	9	187	509	114	544
Camphor.....pkgs.	213	224	1,542	2,715	7,306	8,485
Cardamoms....."	218	328	891	1,757	3,456	4,323
Cinchona....."	585	313	4,183	4,971	4,662	5,350
Cocculus indicus.."	—	—	—	17	—	17
Cochineal....."	83	47	727	626	570	469
Cubebs....."	—	22	119	193	15	88
Dragon's blood....."	4	8	106	61	276	231
Galls....."	14	188	1,277	2,046	2,040	2,809
Gums—	—	—	—	—	—	—
Ammoniacum....."	—	—	10	11	6	7
Animi....."	43	62	239	185	1,079	1,014
Arabic....."	714	9.9	5,706	6,813	8,540	9,621
Asafetida....."	4	23	74	349	519	794
Benzoin....."	212	148	555	703	1,483	1,631
Copal....."	5,524	3,093	27,631	16,835	54,106	45,197
Damar....."	260	379	3,442	2,466	6,562	5,586
Galbanum....."	—	—	—	—	—	—
Gamboge....."	—	9	77	75	122	120
Guaiacum....."	—	—	78	42	105	70
Kauri... tons net	30	49	558	623	1,022	1,052
Kino.....pkgs.	15	—	128	60	91	19
Mastic....."	—	3	8	1	25	18
Myrrh, E.L....."	98	38	378	213	706	541
Olibanum....."	—	176	1,471	1,072	1,750	1,357
Sandarac....."	171	52	462	4.6	1,360	1,219
Tragacanth....."	1,344	1,144	4,188	4,185	13,225	13,222
Species—	—	—	—	—	—	—
Cartagena....."	3	27	3	55	62	114
E.L. ("Johore")....."	—	2	21	55	97	131
Matto Grosso....."	36	13	13	72	210	199
Minas....."	—	21	33	74	62	103
Jalap.....bls.	6	2	14	22	70	78
Nux vomica.....pkgs.	—	32	789	20	2,183	1,418
Oils—	—	—	—	—	—	—
*Anised, star...es.	—	—	29	21	60	52
*Cassia....."	5	1	69	23	143	93
Castor.....pkgs.	132	144	243	303	1,145	1,212
Coconut.....tons	89	87	1,491	283	3,007	1,963
Olive.....pkgs.	566	507	1,873	1,409	8,953	8,493
Palm.....tons	—	—	8	11	25	27
Quinine.....lbs.	5,625	3,931	209,474	220,720	42,043	53,292
Rhubarb.....cs.	242	68	892	573	1,093	774
Sarsaparilla.....bls.	30	108	264	202	1,249	1,089
Senna.....pkgs.	291	557	1,010	795	4,608	4,499
Shellac.....cs.	4,267	4,283	48,121	24,917	68,274	45,070
Turmeric.....tons	3	27	245	330	201	294
Wax—	—	—	—	—	—	—
Bees.....pkgs.	298	286	2,087	2,083	5,941	5,795
Vegetable(Jap.).."	—	2	183	248	415	479

\* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

† Corrected.

## The Week's Poisonings.

SIXTEEN fatalities (including two misadventures) with poisons have occurred during the week. Of the poisons taken, three are in Part I. and five in Part II. of the Schedule, while seven are unscheduled. Ernest A. Lamb (34), stated to be an American journalist, was found dead in bed at Ashby Parva. At the inquest it was shown that death was caused by cyanide of potassium. Before he took the fatal dose he offered some tea, containing the poison in solution, to his wife, who, however, only tasted it, and then rejected the tea, as it was so bitter. Although she became numb and semi-asphyxiated, Mrs. Lamb escaped serious consequences.—James Jack, a Glasgow engraver, walked into the Kilmarnock police-station and asked for shelter. He was found dead next morning, and death was apparently due to cyanide-of-potassium poisoning. He left a note saying he had come to the conclusion that life was not worth living.—Herbert Dresser, gilder, Reddish, was found dead in a railway carriage at Marsden with a bottle half full of the same lethal agent by his side.—Normal Keeling (42), who was to appear on a charge of falsifying the accounts

of his employers, was found dead from chlorodyne-poisoning at his residence at Warren Street, London, W.—Henry Farmer, whitesmith's labourer, took chlorodyne with suicidal intent at Liverpool on account of domestic troubles.—Emily A. Barnes, nurse, Hendon, committed suicide at Lambeth by taking laudanum on account of love-troubles.—Ellen Ware (18), Cosham, appeared some time ago on a charge of attempted suicide. She recently succeeded in her endeavour to end her life by taking carbolic acid.—John McGregor, described as a chemist, of Glasgow, died from the effects of carbolic-acid poisoning.—Ann Sharp (83), Towcester, had administered to her a dose of "Cresoline" instead of paregoric elixir. At the inquest, death was found to be due to "senile decay and cardiac affection, probably accelerated by the inadvertent administration of poison."—Ellen Grogan (47) committed suicide at Dublin, while temporarily insane, by taking barium sulphide. Sir Thomas W. Robinson stated at the inquest that the label on the bottle of barium sulphide was that of his firm (Messrs. Hayes, Conyngham & Robinson), but it must have been several years since it was given out, as the label differed from that now in use. The substance was, unfortunately, recommended in "society" papers for removing superfluous hairs. There was no restriction on the sale. In reply to a question, he said there were hundreds of poisons not scheduled.—A Hallsannery coachman, named Thomas Slee, drank a quantity of "Burnett's Fluid" (zinc-chloride solution) in mistake for beer, two jars containing the liquids being kept side by side in the harness-room. The disinfectant was stored in a stone jar, with a pale-red label stating what it contained, but not marked "Poison." It had been bought many years ago, and had been removed from a cupboard to the stable recently.—A discharged soldier, named Frederick Clarke (43), died at Thorpe Asylum from turpentine-poisoning. The deceased swallowed a dose of turpentine-and-beeswax polish.—The usual verdict was returned at the inquiry on Euranian J. Sargent (36), wife of a brewer's watchman, Tooting, who died from the effects of taking spirit of salt.—The jury returned a verdict of suicide at the inquest on Ellen Stokes (59), Brixton, who ended her existence by taking the same acid. The poison had been kept in an ordinary medicine-bottle without any label. The Coroner and jury commented on the careless way in which the corrosive fluid had been kept.—Sarah Jane Saich (57) committed suicide at Richmond Street, London, N., by taking salt of lemon.—The usual verdict was also returned at the inquest on Hugh Bonvil Seddon (42), a medical practitioner, who died from the effects of poison self-administered, but the kind was not stated.—The death of Thomas Elliott, at Sunderland, from drinking a fluid used for cleaning beer-pipes proved to be due to caustic-soda poisoning, as surmised last week.

## Dental Notes.

By A Licentiate in Dental Surgery.

### To Keep Nickel-plated Parts Bright.

A solution of sodium hyposulphite rubbed on with a cloth is excellent. The part is dried with a soft towel and polished with a piece of chamois.

### Action of Tobacco on the Teeth.

Mr. F. M. Wells finds that smoking retards the growth of bacteria. He took cultures of his own saliva before smoking a cigar, and then repeated this every five minutes for half an hour after smoking. He is of opinion that if smokers keep their teeth clean and allow the smoke to percolate round them, they generally have much better teeth than non-smokers.

### Prolonged Retention of Deciduous Teeth or Roots.

The deciduous teeth, or may be their roots only, are sometimes retained in a young person's mouth after the permanent teeth should have appeared. For some reason or other the permanent teeth have failed to cause absorption and the usual loosening of the deciduous roots. When this condition is recognised nature should be helped by the extraction of the deciduous teeth, for if they are left in the mouth they cause deflection of the erupting permanent teeth to one side or the other, the resulting irregularity often not being remedied without a great deal of trouble.





**TO CORRESPONDENTS.**—Please write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with the arguments or approval of the statements therein. If queries are submitted, each should be written on a separate piece of paper. We do not reply to queries by post, and can only answer on subjects presumably of interest to our readers generally. Letters received after the early posts on Wednesday cannot as a rule be dealt with in the current week's issue.

**BUSINESS INFORMATION.**—We have very full records of the makers or agents for articles and products connected with the chemical and drug trades, and supply information respecting them, by post to inquirers. Inquiries regarding any articles which cannot be traced in this manner are inserted under "Information Wanted."

#### What of the Drug-stores?

SIR,—I have read with much interest the letter of Jay Mack in your issue of January 2, but can hardly agree with him that military dispensers and apothecaries' assistants should only be allowed to be licensed (a) as assistants to sell, but not dispense, poisons; (b) to take charge in the temporary absence of the owner; (c) to keep open drug-stores for the sale of certain poisons under certain specified conditions. By all means carry out his plan as far as possible with regard to the other cases he mentions; but the 1908 Act provides, under Section 4, for the making of by-laws for the acceptance of Colonial diplomas, qualified military dispensers, and certified assistants to apothecaries under the Apothecaries Act of 1815, for registration without examination. It therefore seems to me that before initiating fresh legislation it would be better to try to carry out the provisions of the new Act. I would suggest that the Pharmaceutical Society, following the example of the General Medical Council, should appoint an Education Committee to which should be delegated the making of by-laws in accordance with Section 4, and, again following the medical profession, I would suggest that the regulations for the registration of military dispensers and apothecaries' assistants be on the lines of the Practitioners' M.D. of the University of Durham. This University grants a M.D. to practitioners of over forty years of age, who must have been qualified fifteen years, show evidence of general education somewhat beyond the requirements of the Preliminary required by the General Medical Council, and pass an examination in general medical subjects, leaving out the earlier examinations—i.e., simply taking one examination for the M.D., instead of three or four in the ordinary course. The by-laws under Section 4 for military dispensers and apothecaries' assistants should therefore provide, if taken on the lines of the Durham Practitioners' M.D.:

1. Applicants should be over forty years of age.
2. Applicants should have been qualified as apothecaries' assistants or military dispensers fifteen years.
3. Applicants should have passed a Preliminary examination at least equal to that of the Pharmaceutical Society, or, in the case of military dispensers, hold a first-class certificate of education.
4. Applicants should also be asked to produce certificates showing any other attainment or qualification they may possess and a certificate of good character.

It is obvious that the new Act will create a demand for qualified assistants, and if the Pharmaceutical Society were to carry out the evident intention of the Act by framing by-laws on the lines indicated, they would, I am certain, obtain an addition to the register of men of mature age and sound judgment who would be worthy of the confidence placed in them, and in every way capable of carrying out everything that would be required of them under the new Act. Of course each case would be judged on its merits, and accepted or rejected as the Education Committee thought fit. Yours, etc.,

EAST ANGLIAN. (163/13.)

#### The Preliminary Examination.

SIR,—May I have the privilege of thanking Jay Mack for his remarks concerning the "Prelim."? He says:

Surely the standard of education has risen sufficiently high for us to take a certificate from the headmaster of a day or night school to the effect that W. S. Jones has been at school until age fifteen or sixteen, has studied certain subjects and obtained a class proficiency of 75 per cent., and has had Latin as a special.

I consider this a really excellent way of overcoming such a heavy millstone as the "Prelim." A youth who has had a school training equal to passing such an examination generally chooses something different from the drug-trade. I am certain it would prove a great benefit to the coming chemists if this suggestion was carried out. Cannot someone suggest it to the President? At the present time I am studying very hard for the examination, whereas if I had not such a task to overcome I could be studying pharmacy, etc., which would be useful to me, but the "Prelim." I am certain, never will. I should be pleased to have the opinion of any junior who is in the same position as myself—namely, working most of the day and studying the rest. With regard to the rest of Jay Mack's letter, I regret that I cannot agree.

Liverpool, January 5.

Yours truly,

JUNIOR. (165/6.)

#### What of the Future and "Pharmacy"?

SIR,—I have been much interested in all that has appeared in the *C. & D.* regarding the new Act. How far individual chemists may help in enforcing the Act is worthy of consideration. Reporting cases to the Society is all very well, but if all the infringements of the 1868 Acts had been duly punished, there would be no stores to-day, nor yet any necessity for the Poisons and Pharmacy Act, 1908. I have reported many cases, but in most instances the infringements of the 1852 and 1908 Act have gone on just the same. With reference to the use of the word "pharmacy" by unqualified persons and companies, could action not be taken, basing it on the words used by Mr. Samuel in Committee, viz.:

This is an essential feature of the compromise—none but a qualified surgeon can make use of the word "surgery," and, in like manner, none but a qualified pharmacist can make use of the word "pharmacy."

How would it be to organise a fund? I would subscribe one guinea for a start, and the question could be decided for good and all.

Yours faithfully,

PHARMACIST. (162/49.)

[Our correspondent's quotation is not from the *C. & D.* report of December 12, p. 902, which is the fullest published report of the proceedings in Committee. There it was shown that Mr. Snowden asked Mr. Samuel whether the titles pharmacist, pharmaceutical chemist, and pharmacutist could be used by any save qualified chemists. Mr. Samuel replied that a company might use any title it chose except those three. Mr. Snowden then asked if a co-operative body could not use the word pharmacist. Mr. Samuel said "No," whereupon Mr. Vivian asked whether a co-operative society could use the description drug-stores, chemist stores, or pharmaceutical department, and Mr. Samuel said that it could call itself a drug-stores or chemist stores. Other details of the conversation will be found on p. 782. A report supplied by a Press agency to our contemporaries summarised the conversation in the following terms:

In reply to a question, Mr. Samuel said that a person not entitled to use the title pharmacist himself could not put pharmacy over his place of business, any more than a non-qualified surgeon could put surgery over his place of business—that was an essential feature of the compromise. The chemists were willing that companies should use the title chemist and druggist so long as they (the chemists) had the special title reserved to them of pharmacists or pharmaceutical chemists. The co-operative societies had agreed to that.

Our Parliamentary representative's reports have been conspicuous for their accuracy and knowledge of the subject. Any movement based on the supposition that "an essential feature of the compromise" was that the word "pharmacy" could only be used by pharmacists is bound to fail, because it would be built on error, no such arrangement having been come to.—Ed. *C & D.*

#### Doctors' Shops.

SIR,—Will you kindly tell us straight now (same as you did last week re chemists' branches) about doctors' shops with unqualified management?

"Every Premises."—How far does the medical certificate



go in the dispensing and sale of medicines in "open shop?" Supposing medicos paint up their windows and label these "dispensaries," can these gentlemen still employ girls or other unqualified persons behind the scenes in the filling of prescriptions to patients?

I am very pleased to read about the "further powers" of "the" Society, and hope that the gentleman to whom every chemist is indebted, viz., Mr. Glyn-Jones, will see that the new Act is firmly and systematically carried out, and thus encourage the qualified men (who have hitherto remained passive) to send in their guineas, once they discover that they are receiving value for their money.

Yours truly,

A LOOKER-ON. (167/23.)

[The position of medical men under the Act is briefly discussed in the article beginning p. 52.—EDITOR C. & D.]

#### Canadian Pharmacy.

SIR,—I observed a statement in the *C. & D. Diary* that the Minor certificate is accepted for registration in the Canadian North-West. This will be good news to many British chemists who would, but for the regulations hitherto enforced, probably have gone thither. Reading from a copy of the Act dealing with the regulation of pharmacy in the Canadian North-West, it would seem that, strictly speaking, the Canadians have the power to refuse to accept the Minor certificate as a basis for registration. That they do accept it shows a broad-minded and liberal spirit which the other Canadian Associations might well emulate, and which is only consistent with a thorough knowledge of the scope and high standard of the Minor examination. Alberta is a country larger than Germany, whose resources and potentialities are so great that it is safe to predict it will receive a greater share of attention from enterprising pharmacists who are willing to grow up with the country in the near future than it has in the past. During last year alone the number of emigrants entering the West exceeded 250,000, of whom 120,000 were British and 74,000 Americans. I have no statistics of the number of pharmacists among these, but there probably would not be a great number. Alberta is a land blessed with all that is necessary to health and prosperity, abounding as it does with mountains and valleys, prairies and meadows, dense forests and navigable rivers, while there are known to exist vast deposits of bituminous lignite, anthracite, and galena. Gold also has been found in paying quantities on the banks of the Macleod and Athabasca rivers. For the chemist who practises the piscatorial art there is very good fishing to be had, trout, sturgeon, etc., being abundant; while Alberta is a veritable happy hunting ground for the sportsman: partridges, blue grouse, wild duck, and prairie chicken are plentiful, while in the mountainous parts moose, caribou, and other big game are not uncommon. To the pharmacist with a little capital seeking a wider sphere for his activities than is offered in the compass of these right and tight little islands I would pass along Horace Greeley's advice, "Go West, young man—go West."

Yours truly,

TAXUS BACCATA. (151/38.)

#### Hot-water Bottles in China.

SIR,—An American lady has just called in and asked for an English hot-water bottle, remarking that she was one of a party of ladies travelling over from the United States, and among all the rubber bottles was only one of English make, owned by an English lady. It was the only one that did not leak, so the American ladies had to borrow it, and they called it "Ironsides." This will interest makers of indiarubber bags in England.

Yours, etc.,

INTERNATIONAL SHANGHAI. (156/24.)

Shanghai, December 9.

#### They Buy Soap.

"Remember, then, what, when a boy, I've heard my grandma tell, Be warned in time by others' harm, and you shall do full well."

SIR,—As I was tricked out of a half-sovereign last Friday evening I think the telling how it was done may put others on their guard. Just after tea two well-dressed tall fellows came in, one appearing to be a Frenchman, the other having a Jewish cast of countenance. The latter asked me if I spoke French. I said, "No." He said, after speaking to his companion in French, that he wanted a cake of Erasmic soap. To get it, I had to pass them. As I returned I gave it to him, and he proffered

a sovereign in payment. I said I couldn't change it, and he then said, "Can you change a half-sovereign?" I said "Yes," and, taking it from him, passed behind the counter to the till, from which I took the change, and, keeping the gold in my left hand, went to dispensing scales and weighed the coin before giving the change. I then put it to the left of scales and stood between it and him as I handed his change. Before taking it, he inquired price of soap, and finding it only 4d., said he would take another. This he knew would necessitate my passing him with my back to him, thus giving him an opportunity of taking up the half-sovereign undetected. Taken off my guard for a minute, I got the soap and went behind the counter to the till to alter the change. As they went out I had two customers to serve. I then, on going to where I had placed the coin, found it *non est*. Of course, it goes without saying that I was alone in the shop, or it could not have happened. Telling a neighbouring chemist about it on Sunday, he sent a note on Monday evening, saying that he had just had the same two men. They had asked for soap, but on being shown some and finding there were two in the shop, declined to buy, and went away.

Faithfully yours,

ONE WHO IS TEN SHILLINGS SHORT IN CASH. (163/90.)

London, E.

#### Appreciations.

"We should be quite lost without the *C. & D.*, and value it very much."—*C. J. P.* (109/26.)

"We are very pleased with this year's *Diary*. The 'Business-building' article is most useful."—*B. S.* (158/39.)

"I cannot speak too highly of this year's *Diary*, particularly the section relating to business-building."—*Sigma*. (163/62.)

"I consider *THE CHEMIST AND DRUGGIST* very interesting, as well as useful for keeping one well up to date in business matters."—*J. S.* (29/3.)

"I note the new feature in the *Diary* of the many choice sayings incorporated from day to day. I hope you will continue this."—(103/19.)

"I am very pleased with the *Diary*. The 'Five Pharmacopœias Compared' is very practical, and will save us a lot of trouble."—*A Lyons Chemist*. (157/33.)

"Allow me to congratulate you on the passing of the Poisons and Pharmacy Bill. I have enjoyed the fearless way you have criticised the measure, and I believe you have, through your journal, done much to eliminate the more objectionable features contained in the draft."—*Anglo-Canadian Pharmacist*. (155/54.)

#### Legal Queries.

Before submitting questions for reply in this section please refer to the "*C. & D. Diary*, 1909" for the following subjects:—Income-tax, p. 220; Pharmacy Law and Poisons, p. 216, (abroad) p. 211; Spirit Laws, p. 229; Stamped Medicines, p. 221; Trade-marks, p. 194; Wines, Sale of, p. 231; and Legal matters generally, p. 233.

*Duplex* (165/56).—All your queries have already been answered in this column or in the Editorial articles dealing with the Act. Read the one in this issue, and if you still have doubts write again.

*Puzzled* (164/35).—We have repeatedly explained that the Poisons and Pharmacy Act was not intended to interfere with the carrying on of drug-stores by unqualified persons, providing they are not kept open for the retailing and dispensing of poisons and no Pharmacy Acts titles are used.

*A. W.* (158/73).—The Pharmaceutical Society's new powers as regards examinations are (1) to require from candidates evidence of training in the subjects of the examinations, and (2) registering persons holding Colonial diplomas, or military dispensers and apothecaries' assistants who produce evidence of qualification satisfactory to the Council. No power is given to accept individual subjects in lieu of the Society's own examination.

*W. B.* (164/69).—There is no clause in the Poisons and Pharmacy Act referring to the exemption of chemists and druggists from jury service. Successive Governments have repeatedly refused to provide such exemption in a Phar-



macy Bill. Whenever any measure to amend the law regarding jury service is brought forward there will be an opportunity for chemists to state their case. The exemption enjoyed by pharmaceutical chemists does not extend to Scotland.

A. (165/26) puts the following question: A. is a registered chemist and druggist with one shop in charge of an unqualified man. A. does not live on the premises, but comes for two hours each day. No schedule poisons are sold during A.'s absence and his certificate hangs in the shop. Can this arrangement be continued under the new Act? [It is apparent that A. is carrying on the business of a chemist and druggist in each shop, and Section 3, sub-section 1. requires that the second shop must be *bona fide* conducted by a qualified manager. If the present arrangement is continued on and after April 1. A. will be liable to a fine of 5*l.* under Section 15 of the 1868 Act.]

A. L. (109/39).—(1) Under the new Act preparations or admixtures of prussic acid containing more than 0.1 per cent. are in Part 1 of the Schedule, and those containing less in Part 2. Thus a mixture containing 5 minims of B.P. acid in a teaspoonful is in Part 1, but the same in a dessertspoonful is in Part 2. The latter has not to be signed for. All medicinal preparations of arsenic are in Part 1, and must be signed for when sold. (2) Protect your fancy name by registering it as a trade-mark. See *C. & D. Diary* for particulars. (3) Fellow's syrup contains 0.02 gram of strychnine hypophosphite in 100 grams, which is many times weaker than the Part 1 strength, so that after April 1 it will not require to be signed for. If weight in volume is taken as the criterion, strychnine strengths of 0.875 grain per fluid oz. will be in Part 1, and less strengths in Part 2.

Interested (163/41).—(1) The article on "The Business of Chemist and Druggist" (*C. & D.*, January 2, p. 17) and another on shop-management in this issue contain all that we can say at present respecting chemists' branch shops managed by unqualified persons. (2) A chemist's wife having a separate estate may carry on a drug-store in her own name. (3 and 4) We replied to these questions last week, p. 35. All that we can add is that the Pharmaceutical Society has obtained the conviction of a chemist and druggist under Section 12 of the 1862 Act for exhibiting the title "pharmaceutical chemist" in the description "John Smith, late Tom Jones, pharmaceutical chemist." Similarly as companies are expressly prohibited using the title "pharmacist" such a description on the doorway as "Blank, Ltd., manager John Smith, pharmacist," is an exhibition of the title by the company, therefore an infringement of Section 12.

Cash Chemists (162/32) put the following questions: (1) Sometimes we are without a qualified man temporarily; would this put us under a penalty? [Yes, for a company carrying on the business of chemist and druggist must have a registered chemist as superintendent, and the name of the superintendent must be communicated to the Registrar under the Pharmacy Act, 1852. If that superintendent is also the manager of a shop he must *bona fide* conduct the shop, and as soon as he ceases to do so the company becomes liable to the 5*l.* penalty under Section 15 of the 1868 Act, so long as the business is not *bona fide* conducted by a registered chemist.] (2) Can we continue trading as "So-and-So, Ltd.," omit "cash chemists," and use the words "So-and-So, Ltd., drug, wine, and spirit merchants," without a qualified manager and selling no scheduled poisons? [Section 3, Sub-section 4, of the Act refers to "companies carrying on the business of a pharmaceutical chemist or chemist and druggist," and, as explained in our article last week, a definition of that "business" appears to be necessary.] (3) In case we have a number of specialities, etc., printed with "cash chemists" and prove that these were printed before the Act became law, are we liable for these? [Certainly, if a registered chemist and druggist is not the superintendent of the company and has not a seat on the board of directors.]

C. E. O. (162/49).—(1) The question of *bona fide* conducting a shop is dealt with in an Editorial in this issue. Certain latitude must be allowed to owners and their qualified managers. It would be unreasonable to expect that they should be in the premises every minute of the day, but during their absence any unqualified person who sells or dispenses poisons without direct supervision of a qualified person infringes Section 15 of the 1868 Act. If a qualified owner allows his business as a chemist to be conducted in any premises by an unqualified person, he is subject to the same penalty. (2) The last reply covers your query in regard to half-holidays and Sundays off. Relief assistants who are unqualified are still liable to the penalty under Section 15 for selling and dispensing poisons. (3) In the case of companies in which the principal shareholder is an unqualified man, who in the absence of the company provision would be the actual proprietor of the business, a registered chemist must be appointed

superintendent of the business, and the fact must be communicated to the Registrar under the Pharmacy Act. The superintendent is responsible in law for the keeping, retailing, and dispensing of poisons; but this provision does not authorise the unqualified principal shareholder to sell or dispense poisons during the absence of the superintendent. (4) As already stated, unqualified relief men cannot *bona fide* conduct the business of an individual or company, and the employer is liable to a penalty of 5*l.* on conviction. (5) Whose business will it be to see that certificates are exhibited in the shops and that the person who actually sells the poisons is the person who holds the certificate? [This is the duty of the Pharmaceutical Society of Great Britain, who alone have the power to prosecute under Section 15 of the 1868 Act.]

S. B. (161/64) asks (1) why has the superintendent of a company been made an exception to the rule of exhibiting his name and certificate in the shop he manages? Was this an oversight by the framers of the new Act, or was it done purposely? If the latter, what is the advantage or disadvantage? [The names of superintendents of companies must be forwarded to the Registrar appointed under the Pharmacy Act, 1852, and this is regarded by the authorities as being sufficient and probably better than the exhibition of the name and certificate of the superintendent in the shop. It is obviously of advantage that every company (and firm in Scotland) should be required to state the name of the superintendent who has the control and management of the keeping, retailing, and dispensing of poisons.] (2) The diploma granted to Major man is a certificate within the meaning of the Act.

A. L. (161/63).—"Medical hall" is a name commonly used, by traders who are not registered medical practitioners, without trouble under the Medical Acts.

Lux (159/58).—The custom of the retail drug-trade in England as to bank-holiday duty is for assistants to take it in turn. No employer in the drug-trade is compelled to give his employes the bank holiday.

Staffs (158/3).—(1) Your label contains no dutiable matter, so the medicine need not be stamped. (2) See the *C. & D.*, January 2, p. 19, in regard to replacing certificates of qualification which have been lost.

### Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

Provincial (141/13).—There is no uniform practice as regards fees payable by PHARMACEUTICAL APPRENTICES IN IRELAND. A common practice in the country is to charge a fee of 20*l.* to 40*l.* for an apprenticeship of two years, during which time the apprentice is boarded. In Dublin and other large cities it is a common thing not to charge any fee, and in many cases the apprentice is paid a small salary from the beginning, but lives out. In others a fee of 50*l.* to 100*l.* is paid, and in these instances the apprentice usually lives in the house. When an apprentice is paid from the beginning the amounts are usually 5*l.*, 10*l.*, 15*l.*, and 20*l.* for the four years.

J. T. (124/70).—LANTERN-SCREEN DRESSING.—Where the picture is projected on to the back of the screen it is the custom simply to wet the sheet to render it semi-opaque. We have never tried oil in this case, but an odourless and colourless mineral oil would be the least objectionable to apply with the idea of obtaining the desired transparency.

F. W. G. (107/8).—LEATHER PROCESS.—We understand that glycerin and alum are employed for drum-hides, but more with the idea of obtaining flexibility and transparency than of hardening the hides. Perhaps you could supplement the information in your letter with small samples of the material.

C. L. (135/37) sends a sample of tincture of iodine which is stated to have raised a blister when applied to a patient's leg. This is not a usual result of the application of the tincture, but as iodine is an irritant it would not be surprising that in some cases a blister results. If the part were covered up, such a result would be helped. The tincture sent appears to be normal, as far as our examination has gone.

Nostrums (158/51).—There is no single drug which is a specific for CHRONIC DYSENTERY, especially as it occurs in India. Pulv. kino co. and pil. plumbi c. opio are safe remedies.

J. G. W. (98/4).—GOODWILL OF CHEMIST-OPTICIAN'S BUSINESS.—The rule of a year's returns being the amount payable



as goodwill does not apply nowadays. It is more usual to name a sum—say, 100*l.* or 150*l.*—as compensation for goodwill.

**A. C. (155/37).—PERFUMING SHAMPOO-LIQUID.**—Referring to the reply to your inquiry in the *C. & D.*, January 2, p. 36, we are informed that with alkaline shampoo-liquids the odours of the essential oils named change in course of time and become far from pleasant. Our informant has found the best perfume for such liquid to be terpineol and coumarin ( $\frac{1}{2}$  oz. of the former and  $\frac{1}{2}$  dr. of the latter to a gallon of liquid). A little synthetic neroli may also be employed, and improves the odour considerably.

**Génève (160/54).**—You do not say what proportion of menthol and phenol you are using in the mouth-wash.

**G. A. H. (155/21).—LIQUID COURT PLASTER FOR SURGEONS' USE.**—The formula for this is given in "Pharmaceutical Formulas" as follows:

Pyroxylin	...	...	...	3 <i>v.</i>
Camphor	...	...	...	3 <i>j.</i>
Acetone	...	...	...	3 <i>xiiss.</i>

Dissolve pyroxylin and camphor in 10 oz. of acetone in a clean dry bottle, and when dissolved add sufficient acetone to make up to measure.

Velvirl wound-dressing as recommended by Mr. Peyton Beale is described in the *C. & D.*, January 31, 1903, p. 183.

**M. C. (150/10).**—You do not say whether the worm-powders are for human beings or for dogs. It would seem from the last part of your letter that you require the powders for dogs.

**A. C. (Lodzi) (152/21).—COD-LIVER OIL EMULSION.**—The following is a standard formula, but many modifications are given in "Pharmaceutical Formulas":

Cod-liver oil	...	...	...	3 <i>vj.</i>
The yolk of one egg	...	...	...	
Powdered tragacanth	...	...	gr. x.	
Elixir of saccharin	...	...	3 <i>ss.</i>	
Simple tincture of benzoin	...	...	<i>xxiv.</i>	
Spirit of chloroform	...	...	3 <i>ij.</i>	
Flavouring oils	...	...	<i>xxij.</i>	
Distilled water to	...	...	3 <i>xij.</i>	

Measure 4 oz. of the distilled water, place the tragacanth in a dry mortar and triturate with a little of the cod-liver oil; then add the yolk of egg and stir briskly, adding water as the mixture thickens. When of a suitable consistence add the remainder of the oil and water alternately, with constant stirring, avoiding frothing. Transfer to a pint bottle, add the elixir of saccharin, tincture of benzoin, spirit of chloroform, and oils, previously mixed; shake well, and add distilled water, if necessary, to make 12 oz.

If it is required to combine this with hypophosphites, add 48 grains each of the hypophosphites of soda and lime dissolved in the water.

**A. F. de N. (Courtrai) (159/9).—FIXING PENCIL-DRAWINGS.**—The following are the various methods employed for fixing chalk and pencil drawings and water-colour paintings:

1. Float the drawing face upwards on skimmed milk.
2. Flow with half-strength collodion.
3. Pass the drawing through a starch made by boiling 1 oz. of rice in a pint of water and straining.
4. Spray with a weak spirituous varnish, such as the following:

Shellac	...	...	...	4 parts
Sandarac	...	...	...	2 parts
Rectified spirit	...	...	...	94 parts

The spraying method is the most effectual and is not so likely to smear the drawing as other processes.

**Bumpkin (85/45).—GREASE-REMOVER FOR MOTORISTS' USE.**—Since your reply was given in the *C. & D.*, November 21, 1908, p. 807, we have received the following formula for a motorists' grease-remover, which can be made liquid by the use of more turpentine. The recipe first appeared in the American "Bulletin of Pharmacy":

Soft soap	...	...	...	3 lb.
Turpentine	...	...	...	1 pint

Melt the soap in an evaporating-dish. Remove it from the fire. Add the turpentine little by little, stirring after each addition. When cold rub a small piece into the hands, rinse with warm water, and the most obstinate stains can be removed.

Terebene or sanitas oil can be employed in place of turpentine.

**F. B. P. (91/35).**—Thanks for your appreciative letter.

**Edina (152/64).**—(1) We expect the deposit in sulphurous acid is calcium sulphate. Why not test it? (2) The best way to clear the inf. senegæ conc. is to add more ammonia to it; or set aside to deposit, decant the clear liquor, and filter the rest through grey filter-paper well pleated.

**C. J. T. (153/25).**—We cannot tell you anything about the article.

**P. R. T. (160/71).**—Tuson's "Veterinary Pharmacopœia" is published by J. & A. Churchill at 7*s.* 6*d.*

**E. S. B. (162/52).—CHEWING-GUM.**—We last gave formulæ for this in the *C. & D.*, March 3, 1906, p. 359, and January 4, 1902, p. 29. A recipe is also given in the new edition of "Pharmaceutical Formulas."

**W. P. W. (160/35).—REMOVING TATTOO-MARKS.**—It is glycerin of papain that your customer requires. The method was originally described in the "Philadelphia Medical Journal" and printed in the *C. & D.*, April 8, 1899, p. 575. Other processes employ nitric acid (see "Pharmaceutical Formulas," p. 527), tannin and silver nitrate (see *C. & D.*, July 28, 1906, p. 195), salicylic acid and glycerin (see *C. & D.*, September 28, 1907, p. 515).

## Chemists' Windows.

Contributed by "C. & D." Subscribers. The Editor will be glad to receive photographs of effective window-displays for inclusion in this section. Notes on the displays should accompany the photographs. We pay for what we use.



### A Swiss Frontage.

The above picture is from a photograph of the front of the British and American Pharmacy, or Pharmacie Internationale, carried on by M. H. Masset at 9 Place Saint François, Lausanne. M. Masset has had pharmaceutical experience in Italy, Germany, Switzerland, and England, and speaks English, German, French, and Italian. It is fifteen years since he established this pharmacy. He keeps one or two qualified English chemists as assistants. The style of window-dressing (specialities in rows right at the front of the windows) has much to commend it where inside space is valuable. M. Masset is the gentleman seen in the shadow of the doorway.

THE PHARMACEUTICAL DEFENCE UNION's objects will be explained at the following meetings during January: West Ham (14th), Dewsbury (18th), Huddersfield (19th), Plymouth (26th).

THE BOURNEMOUTH PHARMACEUTICAL ASSOCIATION will hold a *conversazione* at Gervis Hall Restaurant on January 20. Tickets, 2*s.* 6*d.* each (double 4*s.* 6*d.*), from Mr. W. A. Bingham, Hon. Secretary, 58 Charminster Road.

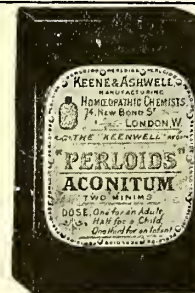


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Arsylin . .	Digalen . .	Protylin .	Sulfosot . .	Thiocol . .

# CODEIN

[4]

Acetanilidum . .	Bruicin . .	Methylsulfonal . .	Resorcin . .
Acid. acetylo salic.	Caffeinae . .	Morphinae . .	Saponin . .
— carbolic. . .	Cocain . . .	Narcotin . . .	Sparteïn . .
— salicylic. . .	Codein . . .	Organic prep. . .	Strychninae . .
Aconitin . . .	Colchicin . .	Phenacetinum . .	Sulfonal . .
Arecolinum . .	Cresosolum . .	Physostigmin . .	Theobrominae . .
Atropin . . .	Guaiacol . .	Pilocarpin . . .	Veratrin . . .
Benzonaphthol . .	Homatropine . .	Pyrocatechine . .	

**"ROCHE" BRAND**

# OLIVE OIL

**ALL KINDS.**

Direct Importation  
 from all Olive  
 Oil Producing  
 Countries.

ALL QUALITIES  
 GUARANTEED GENUINE.

FREDK. BOEHM, LTD., 16 JEWRY ST., LONDON, E.C.

## COD LIVER OIL

**Holm's O.H. Gold Medal Brand**  
 of Non-Freezing Norwegian Cod Liver Oil.

Wholesale Agents for United Kingdom:

**A. ALBRETHSON & CO.,** Telegrams: "Albrethson, Glasgow."  
 41 ANN STREET, GLASGOW.

London Agents:

**WILSON & MANSFIELD,** Telegrams: "Wyfield, London."  
 19 ST. DUNSTAN'S HILL, LONDON, E.C.





# HUBBUCK'S PURE OXIDE OF ZINC.

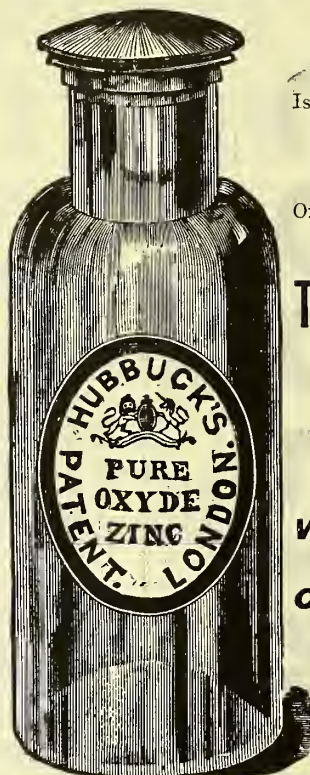
Sold by the following Wholesale Druggists  
in Boxes of 7 lbs. and 14 lbs., stamped by  
the Manufacturers; also in 1-lb. Boxes and  
1-lb. Glass Bottles:—

Allen & Hanbury's (Lim.).  
Baiss Bros. & Stevenson  
(Lim.)  
Barron, Harveys & Co.  
B.-ll. Jno., & Co.  
Bleasdale (Lim.) [(Lim.)].  
Boot's Pure Drug Co.  
Burgoyne, Burbidges &  
Clay, Dod & Co. (Co.)  
Cockburn & Co. (Lim.)  
Corbyn, Stacey & Co.  
Dakin Brothers.  
Davey Hill & Co.  
Duncan, Flockhart & Co.  
Evans, Gadd & Co.  
Evans Sons Lescher &  
Webb (Lim.)  
Ferris & Co.  
Gale & Co.  
Glasgow Apothecaries' Co.  
Glasgow New Apothe-  
caries' Co.  
Goodall, Backhouse & Co.  
Harker, Stagg & Morgan.  
Harkness, Beaumont &  
Co.  
Hatricks, W. & R., & Co.  
Hearon, Squire & Francis.

Hirst, Brooke & Hirst.  
Hodgkinson, Prestons &  
King.  
Hodgkinsons, Clarke &  
Ward.  
Horner & Sons.  
Huskisson, H. O., & Co.  
Inman's Stores (of Edin-  
boro').  
Ismay, John, & Sons.  
Lofthouse & Saltmer.  
Oldfield, Pattinson & Co.  
Pinkerton, Gibson & Co.  
Raines, Clark & Co.  
Raines & Co.  
Rankin & Borland.  
Silversides, R. B. G.  
Southall Bros. & Barclay.  
Sumner, R. & Co.  
Taylor, James.  
Thompson, John (Lim.).  
Willows, Francis, Butler  
& Thompson.  
Woolley, Jas. Sons & Co.  
(Lim.)  
Wright, Layman & Um-  
ney (Lim.)  
Wyleys (Lim.)

Barry, E. J., New York.  
Carter, Carter & Kilham,  
Boston.  
Finlay & Branswig, New  
Orleans.  
Langley & Michaels, San  
Francisco.  
Lehn & Fink, New  
York.

McKesson & Robbins, New  
York.  
Muth Brothers & Co.,  
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Philadelphia.  
Schieffelin, W. H., & Co.,  
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Philadelphia.



## HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted  
to contain upwards of

**99 PER CENT.**

Of Pure Oxide; in fact the impurities are  
not traceable.

**THOS. HUBBUCK & SON,**

(Established 1765). LTD.

**24 LIME STREET,  
LONDON, E.C.**

Manufacturers of—

**White Lead, White Zinc,  
Paints, Oils,  
Colours, Varnishes, &c.**

AUSTRALIAN OFFICE—

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The Manufacturers supply their Pure  
Oxide Wholesale only, in quantities of  
not less than 2 cwt.

## 25% Protected Profit

Prices of Iron-Ox Tablets to the Trade.

### One Shilling size

Under 6 dozen 10/- per dozen net. Cash with order.  
6 dozen 9/9 per doz. net in 30 days, or 9/6 cash in 10 days.  
12 „ 9/3 do. do. or 9/- do. do.

### Four Shilling size

Under 1½ dozen 40/- per dozen net. Cash with order.  
1½ dozen 39/- per doz. net in 30 days, or 38/- cash in 10 days.  
3 „ 37/- do. do. or 36/- do. do.

### Mixed Orders

The above terms for 6 dozen 1/- size, or 1½ dozen 4/- size will  
be given on mixed orders value £3. And our very best  
terms on mixed orders value £6.

Retail Price P.A.T.A. PROTECTED 1/- and 4/- face value. Carriage paid on all goods.

Attractive Show Cards, Window Slips, &c., Free on Application.

# IRON-OX

TABLETS.

To be obtained from all the principal Wholesale Houses or direct from **THE IRON-OX  
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# Duncan's Anæsthetics

**Chloroform (Duncan).** Manufactured from PURE BRITISH ALCOHOL.

**Ether Rect. 0.720 (Duncan).**  
Manufactured from PURE BRITISH ALCOHOL.

**Chloryl Anæsthetic (Duncan).**  
Syn. for Duncan's ABSOLUTE ETHYL CHLORIDE.

ALL THE ABOVE ARE **British Products** GUARANTEED TO BE  
ABSOLUTELY PURE  
AND ARE MANUFACTURED BY

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## CLARKE'S BLOOD MIXTURE

**THE WORLD-FAMED BLOOD PURIFIER,**  
a certain cure for ECZEMA, SCURVY,  
SCROFULA, BAD LEGS, ABSCESSSES,  
ULCERS, BOILS, SORES and ERUP-  
TIONS of all kinds, BLOOD POISON,  
GLANDULAR SWELLINGS, RHEUMA-  
TISM, GOUT, and SKIN AND BLOOD  
DISEASES of every description.

The Hon. Surgeon to his Excellency the  
Viceroy of India prescribes "CLARKE'S BLOOD  
MIXTURE" largely, and speaks highly of its  
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A. JOHN & CO., Chemists, &c., Agra, India.

Counter Bills and Posters, with Name and Address, also Show  
Cards, on application. Printed matter supplied in any language for  
Foreign Agents.

**CAUTION.**—Immediate proceedings will be  
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"Blood Mixture" (Registered No. 3,275), Labels,  
Wrappers, Bills, or Advertisements, or in any way  
infringing the rights of the Sole Proprietors,

**THE LINCOLN & MIDLAND COUNTIES DRUG CO.**  
LINCOLN, ENGLAND.

*We are in a position to  
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quantities of*

## SAGE LEAVES

*and invite enquiries.*

The United Drug Co.

G. & R. Fritz-Pezoldt & Süss, Ltd.

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**SPECIAL BRANDS FOR THE TROPICS**

**GUARANTEED PURE BRITISH MANUFACTURED**

**ALL QUALITIES ALL PACKAGES**

**SOFT SOAP**

**CASTOR OILS**

**THE HULL OIL MANUFACTURING CO. LTD. HULL ENGLD**

The Largest Manufacturers of Castor Oil in the World



# ZOTOS PREVENTS SEA-SICKNESS

Is certified to contain no injurious drug by Mr. Ernest J. Parry, B.Sc., F.I.C., F.C.S., and causes no bad after effects.

Is on sale to the trade at a fair price which shows a good profit to the retailer.

sickness, &c., but stimulates the appetite and enables the worst traveller to enjoy a voyage.

Is got up in an attractive manner, is on sale at a reasonable price to the public (2/9 per box), and is being well advertised.

**IS ON THE P.A.T.A. LIST.**

**Sole Proprietors: ZOTOS, LTD.,** Raymond House, 32-4 Theobald's Road, London, W.C.

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The active principle of Kava-Kava dissolved in Sandalwood Oil. Most effective internal anti-gonorrhoeic.

Boxes of 32 Caps. ... 1/6  
.. 50 .. ... 2/3

## BORNYVAL

The active principle of the Valerian Root. Most reliable sedative in Hysteria, Nervousness, &c.

Box of 25 pearls ... 1/4

## SALIPYRIN

Established reputation over 18 years as a perfect remedy for Influenza, Colds and Rheumatic affections.

Boxes of 1 oz. powder... -/10  
Tubes of 10 tabs. ... -/7

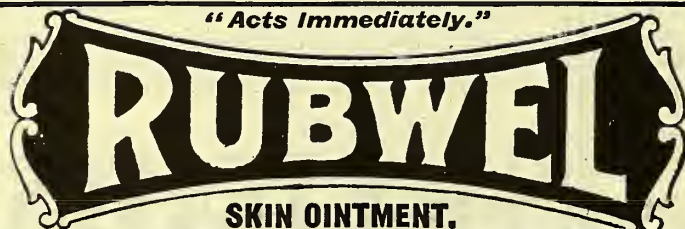
## MERGAL

An organic mercury compound for the internal treatment of Syphilis, supplied in Gelatine Capsules in combination with tannin albuminate.

Boxes of 50 Caps ... 2/3

**The J. D. RIEDEL CO.,** Cross Lane & Harp Lane, LONDON, E.C.

*"Acts Immediately."*



**SKIN OINTMENT.**

**AN EASY FIRST FOR QUICK SALES AND HANDSOME PROFITS.**

**2<sup>d</sup>. 6<sup>d</sup>. & 1/- TINS**

Send for Samples and Liberal Terms—  
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London Depot: 4 Redcross Street, E.C.

ESTABLISHED 1772.

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Continues to be prepared with scrupulous care in the greatest chemical purity by

**MESSRS. THOMAS & WILLIAM HENRY, 11 EAST STREET, ST. PETER'S, MANCHESTER.**

And is sold in bottles, authenticated by a Government Stamp bearing their name. Trade Mark, Henry's Calcined Magnesia.

**PRICE 4s. 6d. or 2s. 9d.**

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## LUNG TONIC

P. J. Formula.

Is Size for 7½d.

**THE GREAT CURE FOR**  
COUGHS, COLDS  
ASTHMA,  
BRONCHITIS,  
INFLUENZA,  
And all Affections of the  
CHEST,  
THROAT & LUNGS

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**QUICK SELLER. — SURE REPEATS.**

## LUNG TONIC

P. J. Form., therefore no stamps required. Known, admitted, and approved.

40/- per gr.  
Double size,  
70/- per gr.

FREE Showcards.  
FREE Delivery.  
FREE Packages.  
FREE Sample.  
NAME on Label.  
NAME on Carton.



Profit over 100% and nothing to do but hand it over the counter. Makes an effective Window Show.

*Davies, Lons & Co*

Manufacturing Chemists, THE BRIDGE STREET, DERBY.



# PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

**Acid. Citric Cryst.,** B.P. 1885, 1 cwt. @ 1/6 lb.; 7 lb. Bags @ 1/7 lb.  
**Acid Oxalic, Fine White Cryst.,** 5 cwt. @ 3/3d. lb.; 1 cwt. @ 3/3d. lb.; 14 lbs. @ 4d. lb.  
**Acid Tart. Cryst. or pulv.,** B.P. 1885, 1 cwt. @ 10 1/2d. lb.; 7 lbs. @ 11 1/2d. lb.; parv., 1/4 lb. extra.  
**Ammon. Brom.,** P.B., 1 cwt. @ 1/1 1/2 lb.; 7 lbs. @ 1/3 lb.  
**Ammon. Carb. lump,** 3 cwt. @ 3/3d. lb.; 28 lbs. @ 4 1/2d. lb.; 7 lbs. @ 5d. lb.; powder, 1/4 lb. extra.  
**Ammon. Chlor.,** 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.  
**Amyli pulv.,** 10 cwt. @ 13/3 cwt.; 2 1/2 cwt. @ 13/9 cwt.; 1 cwt. @ 15/3 cwt.  
**Aniseed, English ground,** 1 cwt. @ 35/- cwt.; 7 lbs. @ 6d. lb.  
**Antim. Orocus Pulv.,** 1 cwt. @ 38/- cwt.; 14 lbs. @ 5d. lb.  
**Antim. Nig. pulv.,** 1 cwt. @ 25/6 cwt.; 14 lbs. @ 5d. lb.  
**Aqua Anethi Conc.,** 1-40, 1 lb. @ 2/6 lb.  
**" Anisi Conc.,** 1-40, 1 lb. @ 2/6 lb.  
**" Cinnamon Conc.,** 1-40, 1 lb. @ 2/9 lb. [7d. lb.  
**" Aurant. Trip.,** 53 lbs. @ 17/6; 6 lbs. @ 17/6.  
**" Rosæ Trip.,** 53 lbs. @ 17/6; 6 lbs. @ 17/6.  
**" Conc. 1-40, 1 lb. @ 5/8 lb.  
 " Samb. Trip.,** 53 lbs. @ 23/6; 6 lbs. @ 8d. lb.  
**" Laurocerasi,** 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.  
**" Menth. Pip. Conc.,** 1-40, 1 lb. @ 2/6 lb.  
**Argent. Nit.,** 6's to oz., 25 oz. @ 1/8 1/2 oz.; 1 oz. @ 1/10 oz.  
**" Cryst.,** 25 oz. @ 1/6 oz.; 8 oz. @ 1/7 oz.  
**Atropinæ Sulph.,** P.B., 1 oz. @ 14/4 oz.  
**Bals. Copaibæ pure,** 44 lbs. @ 2/3 lb.; 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.

**Lin. Tereb. Acet.,** B.P., 9 lbs. @ 1/- lb.  
**Linseed c. Oil, Crushed,** 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.  
**\* Liq. Ammonii Acetatis Conc. 1-7,** 6 lbs. @ 10 1/2d. lb.; 1 lb. @ 1/0 1/2 lb.  
**" Ammon. Aromat.,** 6 lbs. @ 8d. lb.  
**" Bismuth. P.B.,** 6 lbs. @ 10 1/2d. lb.  
**\* Liq. Opil Sed.,** 5 lbs. @ 3/- lb.  
**Manna, fine flake,** 14 lbs. @ 3/3 lb.  
**Menthol, dry white cryst.,** 60 lbs. @ 7/1 lb.; 5 lbs. @ 7/6 lb.  
**Methyl Salicyl.,** 56 lbs. @ 1/4 lb.; 5 lbs. @ 1/8 lb.; 1 lb. @ 1/10 lb.  
**Morphia Diacetyl. Hydrochlor.,** 1 oz. @ 10/6 oz.  
**Morphinæ Acet. Hydrochlor. or Sulph. Pulv.,** B.P., 16 oz. @ 7/1 oz.; 8 oz. @ 7/4 oz.; 1 oz. @ 7/8 oz.; Tart. 1 oz. @ 9/7 oz.  
**Ol. Amygdal. Ang. B.P.,** 9 lbs. @ 1/9 lb.  
**Ol. Amygdal. Essent. Artificial, free from Chlorine,** 5 lbs. @ 3/6 lb.; 1 lb. @ 4/- lb.  
**Ol. Eucalypt.,** B.P., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/2 1/2 lb.; 9 lbs. @ 1/3 1/2 lb.  
**Ol. Geranii Gall. Opt.,** 1 lb. @ 18/6 lb.; 8 1-oz. bots. @ 1/11 oz.; 1 oz. @ 2/1 oz.; Turc., 1 lb. @ 10/- lb.; 4 oz. @ 12/6 lb.  
**Ol. Juniperi Baco.,** B.P., 4 1/2 lb. @ 3/6 lb.; 1 lb. @ 4/- lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.  
**Ol. Lavand. ab Flor.,** 5 lbs. @ 8/6 lb.; 1 lb. @ 4/- lb.; 9 lbs. @ 1/5 lb.  
**Ol. Morrhuæ Nov. 1908,** finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 64/- barrel; 2 gal. tins @ 3/6 per gal.  
**Ol. Olive, P.B.,** good yellow, 46 galls. @ 4/8 gall. 2 galls. @ 5/5 gall.  
**Ol. Peach Kernel (so-called)** 1 cwt. @ 10d. lb.; 56 lbs. @ 10 1/2d. lb.; 9 lb. @ 1/- lb.

**Resin, pulv.,** 7 lbs. @ 3d. lb.  
**Santonine, P.B.,** 1 lb. @ 12/6.  
**Sapo Cast. Alb. pulv.,** 1 cwt. @ 58/6 cwt.; 56 lbs. @ 62/- cwt.; 7 lbs. @ 7 1/2d. lb.; Animal pulv., 1 cwt. @ 50/6 cwt. 56 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.  
**Shellac (Orange),** 1 1/2 cwt. @ 102/- cwt.; 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.  
**Sodii Bromid. P.B.,** 1 cwt. @ 1/- 1/2 lb.; 7 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.; phys. pur., 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb. [1 lb. @ 1/1 lb.  
**" Sulphocarbolas B.P.,** 7 lbs. @ 10 1/2d. lb.;  
**\* Sp. Ammon. Aromat. P.B.,** 5 lbs. @ 2/1 lb.  
**\* Spt. Ztber Nit. P.B.,** 4 1/2 lbs. @ 2/8 1/2d. lb.; 1 lb. @ 2/11 lb.  
**Sulphur Sub. Opt.,** 2 cwt. @ 8/- cwt.  
**\* Tinct. Camph. Comp. P.B.,** 5 lbs. @ 1/10 lb.; bond, 6 1/2d. lb.  
**Thymol, B.P.,** 14 lbs. @ 7/- lb.; 1 lb. @ 8/- lb.  
**\* Tinct. Cantharidis, P.B.,** 5 lbs. @ 3/- 10/-; bond, 6d. lb.  
**\* Tinct. Capsici B.P.,** 5 lbs. @ 2/8 lb.  
**\* Tinct. Card. Comp. P.B.,** 5 lbs. @ 1/11 lb.; bond, 6d. lb.  
**\* Tinct. Catechu P.B.,** 5 lbs. @ 2/1 lb.; bond, 7 1/2d. lb.  
**\* Tinct. Chlorof. c. Morph. Comp. B.P.,** 1885, 5 lbs. @ 1/10 lb.; bond, 1/5 lb.  
**\* Tinct. Cinchon. Comp. B.P.,** 5 lbs. @ 2/9 lb. bond, 10 1/2d. lb.  
**\* Tinct. Cinchon. Rub. P.B.,** 5 lbs. @ 2/6 lb.; bond, 10d. lb.  
**\* Tinct. Digitalis B.P.,** 5 lbs. @ 2/1 lb.; bond, 5 1/2d. lb.  
**\* Tinct. Gelsem. B.P.,** 5 lbs. @ 2/3 lb.

## NEW DETAILED PRICE LIST NOW READY FOR ISSUE

to Customers and New Applicants on Request.

N.B.—Parties having in the past had Lists and never ordering are asked—  
 NOT—to apply.

**Bals. Tolut. B.P.,** 50 lbs. @ 1/- lb.; 1 lb. @ 1/4 lb.  
**Bismuth. P.B. Carb.,** 28 lbs. @ 7/7 lb.; 7 lbs. @ 7/10 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.  
**Benzo-naphthol,** 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.  
**Caffeine, P.B.,** 1 lb. @ 4/- lb.  
**Caffeine Cit. B.P.,** 1 lb. @ 10/- lb.  
**Camphor, Crude,** 140 lbs. @ 1/4 1/2 lb.; 28 lbs. @ 1/6 lb.  
**Camphor, English Flowers, "not artificial,"** 5 lbs. @ 2/1 lb.; 1/2 oz. 7 lbs. @ 2/4 lb.; 1/2 oz. 7 lbs. @ 2/6 lb.; 1 cwt. lots, 1d. lb. less.  
**Chloral Hydras Cryst. B.P.,** 7 lbs. @ 3/10 lb.; 1 lb. @ 4/2 lb.  
**\* Chloroform, 5 lbs. @ 1/10 lb.  
 \* Chloroform, pure B.P.,** 12 8-lbs. @ 1/7 1/2 lb.; 8 lbs. @ 1/8 1/2 lb.; 6 1-lb. bots. @ 1/10 1/2 lb.  
**Cocaine Hydrochlor. P.B.,** 1 oz. @ 8/3 oz.  
**Uream Tartar, 98 % powder,** 1 cwt. @ 76/- cwt.; 7 lbs. @ 9d. lb.  
**Ext. Cascara Sagradae, Liq. B.P.,** 10 lbs. @ 1/1 lb.  
**Ext. Cannab. Ind. Ale., P.B.,** 6 lbs. @ 36/- lb.; 1 lb. @ 37/- lb.  
**Glycerine, D.D. 1-260, P.B.,** 1 cwt. @ 73/- cwt.; 56 lbs. @ 74/- cwt.; 12 lbs. @ 9 1/2d. lb.  
**\* Inf. Aurant. Conc.,** 1 to 7, 6 lbs. @ 1/- lb.  
**\* Inf. Aurant. Comp. Conc.,** 1 to 7, 6 lbs. @ 1/2 lb.  
**Licorice Juice, 4 and 2 oz. Sticks,** 5 cwt. @ 57/- cwt.; 1 cwt. @ 58/- cwt.; 28 lbs. @ 7d. lb.; 7 lbs. @ 7 1/2d. lb.  
**\* Lin. Aconiti Meth.,** 5 lbs. @ 1/3 lb.; 1 lb. @ 1/6 lb.  
**\* Lin. Bellad. Meth.,** 5 lbs. @ 1/3 lb.; 1 lb. @ 1/6 lb.  
**\* Lin. Bellad. Meth.,** 5 lbs. @ 1/3 lb.; 1 lb. @ 1/6 lb.  
**Lin. Camph. P.B.,** 40 lbs. @ 11d. lb.; 9 lbs. @ 1/8 lb.  
**Lin. Sapo Meth.,** 9 lbs. @ 7d. lb.

**Ol. Ricini Alb. Opt. Medicinal,** 176 lb. @ 33/6 cwt.; 88 lb. @ 33/6 cwt.; 44 lb. @ 38/- cwt.; 9 lbs. @ 5 1/2d. lb.  
**Ol. Santali Flav. Ang. B.P.,** 5 lbs. @ 10/9 lb.; 1 lb. @ 11/3 lb.  
**" Sinapis Express, 1 gall. tins @ 4/6 each.  
 Opium Turc. B.P.,** 3 lbs. @ 14/6 lb.; 1 lb. @ 15/- lb.; powder, 6d. lb. extra.  
**Oxymel Scillæ, B.P. 5 cwt. @ 27/- cwt.; 1 cwt. @ 30/- cwt.; \* 7 lbs. @ 6d. lb.  
 Paraldehyde, B.P.,** 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.  
**Pepsin, P.B.,** 10 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb.  
**Phenacetin, P.B., pulv. 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. at 3/- lb.  
 Phenazone, P.B.,** 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.  
**Phenolphtalein, 7 lbs. @ 9/3; 1 lb. @ 10/- lb.  
 Potas. Brom., P.B.,** 1 cwt. @ 11d. lb.; 28 lbs. @ 11 1/2d. lb.; 7 lbs. @ 1/- lb.  
**Potass. Iod. P.B.,** 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.  
**Pulv. Glycyrrh. Co. B.P. (Green), English Ground,** 56 lbs. @ 31/- cwt. [9d. oz.; 10 oz. @ 10d. oz.  
**Quinine Bisulph.,** 100 oz. @ 8d. oz.; 25 oz. @ Quinine Ethyl Carb. (Tasteless), 100 oz. @ 2/5 oz.; 10 oz. @ 2/9 oz.  
**Quininae Hydrobromas or Hydrochlor. B.P.,** 100 oz. @ 11 1/2d. oz.; 25 oz. @ 1/0 1/2 oz.; 10 oz. @ 1/2 oz.  
**Quininae Sulph., P.B.,** 1,200 oz. @ 6 1/2d. oz.; 100 oz. @ 7d. oz.; 25 oz. @ 7 1/2d. oz.; 10 oz. @ 8d. oz.  
**Rad. Jalap., English ground,** 28 lbs. @ 1/7 lb.; Rad. Rhei, E. L., English ground, 1 cwt. @ 1/2 1/2 lb.; 28 lbs. @ 1/3 1/2 lb.; 7 lbs. @ 1/5 lb.

**\* Tinct. Gentianæ Comp. P.B.,** 5 lbs. @ 1/7 lb.; bond, 6d. lb.  
**\* Tinct. Hyoscyami, B.P.,** 5 lbs. @ 2/6 lb.; bond, 6d. lb.  
**\* Tinct. Iodi B.P.,** 5 lbs. @ 3/2 lb.; bond, 1/1 1/2 lb.; decolor, 5 lbs. @ 3/6 lb.  
**\* Tinct. Lavandulæ Comp. B.P.,** 5 lbs. @ 3/- lb.; bond, 6 1/2d. lb.  
**\* Tinct. Myrrhæ B.P.,** 5 lbs. @ 3/- lb.; bond, 9d. lb.  
**\* Tinct. Nucis Vom. B.P.,** 5 lbs. @ 2/3 lb.; bond, 5 1/2d. lb.  
**\* Tinct. Opil B.P.,** 5 lbs. @ 2/7 lb.; bond, 1/11 lb.  
**" Opil Amon. B.P.,** 5 lbs. @ 3/8 lb.  
**" Opil Aquos, 5 lbs. @ 2/1 lb.  
 " Quinæ Amm. B.P.,** 5 lbs. @ 2/2 lb. bond, 11d. lb.  
**\* Tinct. Rhei Co. B.P.,** 5 lbs. @ 1/9 lb.; bond 8d. lb.  
**\* Tinct. Scillæ B.P.,** 5 lbs. @ 2/1 lb.  
**" Senegæ P.B.,** 5 lbs. @ 2/8 lb.; bond, 1/3 1/2 lb.  
**\* Tinct. Stropbanth. P.B.,** 5 lbs. @ 2/10 lb.; bond, 8d. lb.  
**\* Tinct. Valerianæ, 5 lbs. @ 2/3 lb.; bond, 6d. lb.  
 \* Tinct. Valerianæ Ammon. P.B.,** 5 lbs. @ 2/6 lb.; bond, 8 1/2d. lb.  
**\* Tinct. Zingib. P.B.,** 1 lb. @ 3/1 lb.; bond, 6 1/2d. lb.  
**\* Tinct. Zingib. Fortior,** 5 lbs. @ 3/5 lb.; bond, 10 1/2d. lb.  
**Treacle (Black),** 5 1/2 cwt. @ 10/- cwt.; 24 lbs. @ Ung. Acid. Boric. P.B., 28 lbs. @ 5 1/2d. lb.; Flav. 28 lbs. @ 4 1/2d. lb.  
**Vanillin, pure, 1 lb. @ 16/6 lb.**

\* Minimum quantity at these prices, Home Trade, 3 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.

Goods carriage forward; all packages free; Export cases extra.

## ALLIANCE DRUG & CHEMICAL CO., LONDON.

Office: 34 LEADENHALL STREET.

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P.A.T.A.

SELLING PRICE (per dozen)	13 6	small size	1 13 0	large size
WHOLESALE PRICE	10 0	"	1 5 0	"
YOUR PROFIT	3 6	"	8 0	"

Quick Seller.

Quick Healer.

Quick Repeater.

ISN'T IT WORTH YOUR WHILE TO STOCK "ARFIE"?

Fuller particulars on application to the  
Manufacturers

**ARFIE, Ltd. (Depot C) ROCHESTER, KENT.**

Wires:  
"POEM  
HULL."

**PREMIER  
CASTOR  
OILS**

**ALL  
GRADES  
AND  
PACKAGES.**

Manufactured by  
**PREMIER OIL  
EXTRACTING MILLS,  
LIMITED,  
HULL, England.**

**DUTCH**  
*Sugar  
of Milk.*

**"THE BEST"**

**HOLLANDSCHE  
MELKSUIKERFABRIEK  
Amsterdam.**

SOLE AGENTS  
**FRED. BOEHM, LTD.**  
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Wholesale Only

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Go like wild fire and are sold by all the principal pharmacies in the **United States, Canada, Europe, Australia, India, China, Japan, Egypt, North, South, East and West Africa, Asia, Cuba, East and West Indies, Phillipines and Central America.** Sulphur Bitters are especially adapted for all diseases peculiar to hot climates.

For Sale by Jobbers and Druggists  
in all Countries, and  
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Prepared by  
**A. P. Ordway & Co., Manufacturing Chemists,**  
341-345, West 37th Street, NEW YORK.



# THE Chemist's Co-operative Wholesale.

**Acetanilide, B.P.** 7 lbs. @  $\frac{1}{2}$  lb.; 1 lb. @  $\frac{1}{3}$  lb.  
**Acetum Ipecac. B.P.** 6 lbs. @  $\frac{1}{4}$  lb.  
**Scilla B.P.** 7 lbs. @ 3d. lb.  
**Acid. Acetic. Glacial, B.P.** 6 lbs. @ 7d. lb.  
**Acetyl-salicylic, B.P.** 7 lbs. @  $\frac{2}{2}$  lb.; 1 lb. @  $\frac{2}{4}$  lb. [1/10 lb.  
**Benzolic. B.P.** 28 lbs. @  $\frac{1}{6}$  lb.; 7 lbs. @  $\frac{1}{8}$  lb.; 1 lb. @  
**Carbolic. Cryst. B.P.** 1 cwt. @ 6d. lb.; 10 lbs. @  
 7d.; 112 1-lb. bots. @ 9d.; 6 1-lb. bots. @ 10d. lb.  
**Hydrobrom. Dil. B.P.** 6 lbs. @ 7d. lb.  
**Oxalic. Cryst.** 5 cwt. @ 3d. lb.; 1 cwt. @ 3d. lb.;  
 14 lbs. @ 4d. lb.  
**Adeps Benz. B.P.** 28 lbs. @ 7d. lb.  
**Aloes Barb. Pulv.** 1 cwt. @ 60/- cwt.; 7 lbs. @ 9d. lb.  
**Aloin B.P.** 1 lb. @ 3/9 lb.  
**Ammon. Bromid. B.P.** 7 lbs. @  $\frac{1}{11}$  lb.  
**Amyli Pulv.** 2½ cwt. @ 13/9 cwt.; 1 cwt. @ 15/-; 28 lbs. @ 16/- cwt.  
**Aniseed, English Ground.** 1 cwt. @ 23/- cwt.; 28 lbs. @ 35/- cwt.  
**Antim. Nig. Pulv.** 1 cwt. @ 27/- cwt.; 28 lbs. @ 29/- cwt.  
**Aqua Anethi Conc.** 1 to 40. 5 lbs. @  $\frac{1}{9}$  lb.; Bond 11d. lb.  
**Carul Conc.** 1 to 40. 5 lbs. @  $\frac{1}{9}$  lb.; Bond 11d. lb.  
**Menth. Pip. Conc.** 1 to 40. 5 lbs. @  $\frac{1}{10}$  lb.; Bond 11d. lb.  
**Balsam Copaiba Pure, B.P.** 9 lbs. @  $\frac{2}{3}$  lb.; 1 lb. @  $\frac{2}{6}$  lb.  
**Tolu, B.P.** 40 lbs. @ 1/- lb.; 1 lb. @  $\frac{1}{4}$  lb.  
**Bandages, W.O.W.** 1 in. 6s. 0d.; 1½ in. 8s. 3d.; 2 in. 10/6;  
 2½ in. 13/-; 3 in. 16/- per gross.  
**Bismuth Carb. B.P.** 3 lbs. @ 7/6 lb.; 1 lb. @ 7/8 lb.  
**Subnit. B.P.** 3 lbs. @ 6/6 lb.; 1 lb. @ 6/8.  
**Bottles, Dispensing.** 2 oz. 5s. 9d.; 3 and 4 oz. 6s. 3d.; 6 and  
 8 oz. 7s. 3d.; 10 oz. 9/6; 12 oz. 10/6; 16 oz. 14/- per gross.  
 Carriage paid terms on application.  
**Calcii Carb. Precip.** No. 1. Lightest. 5 cwt. @ 13/- cwt.;  
 56 lbs. @ 16/-  
**Camphor, English Flowers,** genuine, 5 lbs. @ 2/0 lb.  
**Tabls. English,** 1, 1, and 1½ oz., 7 lbs. @ 2/3 lb.  
**Japanese,** 1 oz., 7 lbs. @ 1/8 lb.  
**Cera Alb. B.P., Moons,** 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/6 lb.;  
 4 lbs. @ 1/7 lb. 14 lbs. @ 1/6 lb.  
**Flav. B.P., Bright,** 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/4 lb.;  
**Chloroform, B.P.** 3 x 1 lb. Bots. @ 1/10 lb. 1 oz. @ 8/-  
**Cocain. Hydrochlor. B.P.** 25 ozs. @ 7/3 oz.; 4 ozs. @ 7/8;  
**Conf. Sennæ B.P.** 14 lbs. @ 7d. lb.; 7 lbs. @ 7d.  
**Cotton Wool,** White Absorbent, Interleaved, 1 lb. rolls,  
 28 lbs. @ 6d.; 7 lbs. @ 7d. lb.  
**Creta c. Camph. B.P.** 7 lbs. @ 7d. lb.  
**Dec. Aloes Co. Conc.,** 1 to 3. 6 lbs. @ 1/11 lb.; Bond 1/4 lb.  
**sine Croco,** 6 lbs. @ 1/- lb.; Bond  
 9d. lb.  
**Cinchon. Conc.,** 1 to 7. 6 lbs. @ 1/2 lb.; Bond 11d. lb.  
**Sarsae Jam. Co. Conc.,** 1 to 7. 6 lbs. @ 2/- lb.  
 Bond 1/4 lb.  
**Senegae Conc.,** 1 to 7. 6 lbs. @ 1/8 lb.; Bond 1/3 lb.  
**Douches.** Boxed complete, with 6 ft. I.R. Tubing. 2 Pt. 16/9;  
 3 Pt. 18/-; 4 Pt. 19/6 doz.  
**Enemas, Black I.R.,** Guaranteed. 3 doz. @ 13/- doz.; 1 doz. @ 13/6.  
**Ext. Belladon. Liq. B.P.** 5 lbs. @ 3/3 lb.; Bond 1/9 lb.  
**Cascar. Sagrad. Liq. B.P.** 6 lbs. @ 1/4 lb.; Bond 10d. lb.  
**Ergotæ Liq. B.P.** 5 lbs. @ 2/- lb.; Bond 1/6 lb.  
**Glycyrrh. Liq. B.P.** 6 lbs. @ 1/- lb.; Bond 8d. lb.  
**Hamamelidis Liq. Dest., B.P.** 5 lbs. @ 9d. lb.  
**Ipecac. Liq. B.P.** 5 lbs. @ 8/9 lb.; Bond 6/9 lb.  
**Nucis Vom. Liq. B.P.** 5 lbs. @ 2/6 lb.; Bond 1/5 lb.  
**Sarsae Liq. B.P.** 5 lbs. @ 2/- lb.; Bond 1/6 lb.  
**Fennel, English Ground.** 1 cwt. @ 37/- cwt.; 28 lbs. @ 39/- cwt.  
**Ferri et Ammon. Cit. B.P.** 28 lbs. @ 1/4; 7 lbs. @ 1/5 d.;  
 " et Quinin. Cit. B.P. 100 ozs. @ 3d. oz.; 25 ozs. @ 3d. d.;  
 1,000 x 1-oz. bots. @ 4d.; 100 x 1-oz. bots. @ 4d.  
**Flor. Anthem., Good Medium.** 7 lbs. @ 6d. lb. [3d. lb.  
**Fol. Sennæ, Good Clean Leaf,** 1 cwt. @ 3d. lb.; 28 lbs. @  
**Gelatine, Sheet,** 7 lbs. @ 10d.  
**Glycerine, B.P.,** 1,260. 1 cwt. @ 68/-; 56 lbs. @ 69/- cwt.  
**Glycerin. Acid. Carbolic. B.P.** 6 lbs. @ 1/- lb.; 3 lbs. @ 1/11 lb.  
**Tannic. B.P.** 6 lbs. @ 1/11 lb.; 3 lbs. @ 1/2 lb.  
**Belladon. B.P.C.** 6 lbs. @ 1/11 lb.; 3 lbs. @ 2/- lb.  
**Boracis B.P.** 6 lbs. @ 11d. lb.; 3 lbs. @ 1/- lb.  
**Pepsini B.P.** 6 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.  
**Honey, Pale Set.** 14 lbs. @ 4d. lb.  
**Hydrogen Peroxide, B.P.** 1 gln. @ 2/6 gln.  
**Hydroquinone,** 1 lb. @ 4/- lb.  
**Infus. Aurant. Co. Conc.,** 1 to 7. 6 lbs. @ 1/- lb.; Bond 8d. lb.  
**Buchu Conc.,** 1 to 7. 6 lbs. @ 1/- lb.; Bond 8d. lb.  
**Calumbæ Conc.,** 1 to 7. 6 lbs. @ 10d.; Bond 5d. lb.  
**Cinchon. Acid. Conc.,** 1 to 7. 6 lbs. @ 1/4 lb.;  
 Bond 10d. lb.  
**Infus. Gent. Co. Conc.,** 1 to 7. 6 lbs. @ 10d. lb.; Bond 5d. lb.  
**Rosæ Acid. Conc.,** 1 to 7. 6 lbs. @ 1/3 lb.; Bond 11d. lb.  
**Senegæ Conc.,** 1 to 7. 6 lbs. @ 1/9 lb.; Bond 1/6 lb.  
**Iodoform Pulv. B.P.** 7 lbs. @ 12/- lb.; 3 lbs. @ 12/4 lb.; 1 lb. @  
 12/6 lb.

**Lin. Aconit. Meth.** 5 lbs. @ 11d. lb.  
**Belladon. Meth.** 5 lbs. @ 1/2 lb.  
**Camph. B.P.** 40 lbs. @ 10d. lb.; 9 lbs. @ 11d. lb.  
**Saponis Meth.** 5 lbs. @ 6d. lb.  
**Linseed c. Oil, Crushed.** 1 cwt. @ 15 6 cwt.  
**Lint.** 7 lbs. @ 1/2 lb.  
**Bismuth. et Ammon. Cit. B.P.** 6 lbs. @ 10d. lb.  
**Copaib. Buchu et Cubeb.** 5 lbs. @ 2/- lb.  
**Ferri Iodid. p.s.,** 1 to 7. 1 lb. @ 5 6 lb.  
**Ferri Perchlor. Fort. B.P.** 9 lbs. @ 3d. lb.  
**Morph. Hydrochlor. B.P.** 6 lbs. @ 2 3 lb.; Bond 1/9 lb.  
**Rhei, p.s.,** 1 to 7. 6 lbs. @ 1/10 lb.; Bond 1/- lb.  
**Santaf. Co.** 6 lbs. @ 2 3 lb.; Bond 1/9 lb.  
**Sennæ, p.s.,** 1 to 7. 6 lbs. @ 1 6 lb.; Bond 1/3 lb.  
**Lithia Carbonate B.P.** 28 lbs. @ 2 3 lb.  
**Magnes. Sulph. B.P.** 1 cwt. @ 5 9 cwt.  
**Mist. Sennæ Co. B.P.** 20 lbs. @ 5d. lb.; 6 lbs. @ 6d. lb.  
**Morphine Acet. Hydrochlor. or Sulph. Pulv. B.P.**  
 16 oz. @ 7 1 oz.; 8 oz. @ 7 3 oz.; 1 oz. @ 7 6 oz.  
**Naphthalin, Candle, Marble, or Flake.** 1 cwt. @ 11/-  
 cwt.; 28 lbs. @ 13/- cwt.  
**Oleum Amygd. Dulc. Ang. B.P.** 9 lbs. @ 1/9 lb.  
**Amygd. Persic.** 9 lbs. @ 11d. lb.  
**Caryoph. B.P. Ang.** 5 lbs. @ 3/4 lb.; 2 lbs. @ 3/5 lb.  
**Eucalypti B.P.** 28 lbs. @ 1/2 lb.; 9 lbs. @ 1/3 lb.;  
 4½ lbs. @ 1/4 lb.  
**Morrhue Nov. Opt.** 1 barrel @ 60/-; 2 galls. @ 3 4 gall.  
**Ricini Alb. Opt.** 160 lbs. @ 30 6 cwt.; 80 lbs. @ 31 6;  
 40 lbs. @ 32 6; 9 lbs. @ 5d. lb. 17 lbs. @ 4½ d.  
**Oxymel Scilla B.P.** 7 lbs. @ 30/- cwt.; 28 lbs. @ 4d. lb.;  
**Phenacetin. B.P. Pulv.** 7 lbs. @ 2 8 lb.; 1 lb. @ 2/10.  
**Phenazone B.P.** 7 lbs. @ 6/10 lb.; 1 lb. @ 7/2 lb.  
**Potass. Bromid. B.P.** 28 lbs. @ 11d. lb.; 7 lbs. @ 1/- lb.  
**Iodid. B.P.** 14 lbs. @ 7/7 lb.; 3 lbs. @ 7/9  
**Pulv. Glycyrrh. Co. B.P.** 28 lbs. @ 30/- cwt.  
**Quinin. Sulph. B.P.** 100 ozs. @ 7d. oz.; 25 ozs. @ 7d.  
**Rad. Gentian., English Ground.** 1 cwt. @ 31 6 cwt.; 28 lbs.  
 @ 33 6 cwt.  
**Rad. Rhei, E.I., Pulv., Elect.** 4 lbs. @ 2 3 lb.  
**Resorcin.** 7 lbs. @ 3 3 lb.; 1 lb. @ 3 6 lb.  
**Sapo Castil. Alb. Pulv.** 1 cwt. @ 56/- cwt.; 7 lbs. @ 7d. lb.  
**Sodii Bromid. B.P.** 7 lbs. @ 1/- lb.  
**Salicyl. Pulv.** 28 lbs. @ 1 3 lb.; 7 lbs. @ 1/4 lb.; 1 lb. @  
 1/6 lb. Cryst. B.P. 4d. extra.  
**Spts. Ether. Nit. B.P.** 5 lbs. @ 2 8 lb.  
**Ammon. Aromat. B.P.** 5 lbs. @ 2 1 lb.  
**Syr. Easton B.P.** 7 lbs. @ 9d. lb.  
**Ferri Iodid. B.P.** 7 lbs. @ 1 1 lb.  
**Ferri Phosph. Co. B.P.C.** 28 lbs. @ 3d. lb.; 7 lbs. @ 4d.  
**Hypophosph. Co. B.P.C.** 7 lbs. @ 7d. lb.  
**Rhei B.P.** 7 lbs. @ 6d. lb.  
**Scilla B.P.** 28 lbs. @ 3d. lb.; 7 lbs. @ 4d. lb.  
**Sennæ B.P.** 7 lbs. @ 7d. lb.  
**Tolut. B.P.** 7 lbs. @ 5d. lb.  
**Tinct. Aurant., Recens. B.P.** 5 lbs. @ 2 5 lb.; Bond 8d. lb.  
**Belladon. B.P.** 5 lbs. @ 2/- lb.; Bond 6d. lb.  
**Benzoin. Co. B.P.** 5 lbs. @ 2 6 lb.; Bond 8d. lb.  
**Calumbæ B.P.** 5 lbs. @ 1 11 lb.; Bond 6d. lb.  
**Camph. Co. B.P.** 5 lbs. @ 1 9 lb.; Bond 6d. lb.  
**Canthar. B.P.** 5 lbs. @ 2 11 lb.; Bond 6d. lb.  
**Cardam. Co. B.P.** 5 lbs. @ 1 10 lb.; Bond 6d. lb.  
**Chlorof. c. Morph. B.P.** 85. 5 lbs. @ 1 6 lb.; Bond 1 3 lb.  
**Cinchonæ B.P.** 5 lbs. @ 2 6 lb.; Bond 10d. lb.  
**Co. B.P.** 5 lbs. @ 2 7 lb.; Bond 10d. lb.  
**Digitalis B.P.** 5 lbs. @ 1 11 lb.; Bond 5d. lb.  
**Gelsem. B.P.** 5 lbs. @ 2/- lb.; Bond 6d. lb.  
**Gent. Co. B.P.** 5 lbs. @ 1 6 lb.; Bond 6d. lb.  
**Guaiaci Ammon., B.P.** 5 lbs. @ 2 7 lb.; Bond 10d. lb.  
**Lavand. Co. B.P.** 5 lbs. @ 2 4 lb.; Bond 6d. lb.  
**Nucis Vom. B.P.** 5 lbs. @ 1 11 lb.; Bond 5d. lb.  
**Opil B.P.** 5 lbs. @ 2 6 lb.; Bond 1 8 lb.  
**Opil Aquos.** 5 lbs. @ 1 11 lb.; Bond 1 8 lb.  
**Quinine Ammon. B.P.** 5 lbs. @ 1 10 lb.; Bond 10d. lb.  
**Rhei Co. B.P.** 5 lbs. @ 1 8 lb.; Bond 8d. lb.  
**Zingib. B.P.** 5 lbs. @ 2 9 lb.; Bond 6d. lb.  
**Zingib. Fort.** 5 lbs. @ 3 1 lb.; Bond 10d. lb.  
**Ung. Acid. Boric. B.P.** 28 lbs. @ 6d. lb.  
**Flav. B.P.** 28 lbs. @ 4d. lb.  
**Carbolic. B.P.** 28 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.  
**Gallæ, B.P.** 10d. lb.; c. Opio B.P. 7 lbs. @ 2/- lb.  
**Hydrag. Ammon. B.P.** 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.  
**Resinæ B.P.** 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.  
**Sulphuris B.P.** 28 lbs. @ 7d. lb.; 7 lbs. @ 7d. lb.  
**Zinci, B.P.** 28 lbs. @ 7d. lb.  
**Vinum Ipecac. B.P.** 5 lbs. @ 1/4 lb.  
**White Demy,** 15 lbs. 10 reams, 2/9 ream; 5 reams, 3s. ream.  
**Zinci Oxid. B.P.** 1 cwt. @ 33/- cwt.; 14 lbs. @ 4d. lb.  
**Sulph. Pur.** 1 cwt. @ 18/- cwt.; 28 lbs. @ 20/- cwt.

## 36 CAMOMILE STREET, LONDON, E.C.

TERMS: Cash with order. Packages free. Export Cases extra.

Smaller quantities at slightly increased prices. Carriage paid as follows:  
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SOLE WHOLESALE AGENTS,

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**PURE HEAT.**  
**WITHOUT SMOKE OR SMELL.**  
**CLARK'S PATENT HYGIENIC**  
**"SYPHON" STOVES**

Agents wanted. Liberal Discount allowed.

The heat generated by the "SYPHON" STOVE is ABSOLUTELY PURE. No FUMES OR SMELL can pass into the Apartment. All products of combustion are rendered innocuous by automatic action within the Stove, PURE HEATED AIR ONLY BEING EMITTED.

NO FLUE REQUIRED.  
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No. 58 FREE.

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Beg to call attention to their **REDUCED PRICES FOR THE NEW YEAR.** Early orders solicited.

### FIRST QUALITY.

3 & 4 6 & 8 12 16 ounce. } Round edges, plain or  
9/- 10/- 15/- 20/- per gross } graduated, quinine tinted.

### SECOND QUALITY.

3 & 4 6 & 8 12 16 ounce. } Round edges, plain or  
7/6 8/6 12/- 18/- per gross } graduated, clear blue tinted.

### PANEL BOTTLES (reduced prices).

2 3 4 6 8 ounce  
7/6 8/- 8/- 9/- 10/- per gross.

### WHITE PHIALS—GOOD QUALITY.

3/6 4/- 4/6 5/6 per gross } Plain or teaspoons.

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 50 years. Bankers: London and Westminster Bank.

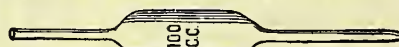
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**ALTENFELD, Thur.**

Manufacturer of all Kinds of

## BOTTLES with & without SCREW CAPS.

Clinical & other Thermometers,  
Aseptic Thermometers,  
Baroscopes, various sizes.  
Thermometers for Hospitals.  
Lactodensimeter,  
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Serum Glasses in all Shapes.  
Mercurial Tubes, Pill Glasses,  
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Sample Bottles all Shapes and Sizes in Stock by the  
Sole Agents, **HERTZ & CO., 9 Mincing Lane, London, E.C.**

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# JOHN OAKLEY & SONS, LIMITED.

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Prepared expressly for Oakley's and other Knife Boards, Buff Leather Boards, and all the Patent Knife Cleaning Machines.  
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A Magic Pomade for Cleaning Brass, Copper, Tin, Pewter, Britannia Metal, &c. Never becomes dry and hard like other Metal Pastes.  
Tins, 1d., 2d., 3d., and 6d. each.

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The  
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"Sturge's  
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## CHALK.

All grades from the **FINEST LIGHT** to **VERY DENSE**.

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For **COUGHS, COLDS, INFLUENZA** and all **CHEST AFFECTIONS.**

**Retail Price 1/1½ and 2/9.**

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Fullest Particulars will be supplied by the Sole Agents for Great Britain—

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## BUYERS' GUIDE,

See pages 7 to 11.

## LUNG . . . MIXTURES

In bulk or plain  
bottles.  
Cheapest and best  
quality  
on the market.

**EVENDEN'S PURE EXTRACTS, LTD., HASTINGS.**

**DR. BOW'S  
LINIMENT.**

PREPARED BY HIS SON.



**SPURIOUS IMITATIONS** of the genuine Liniment having been offered for sale, the Proprietor, in order to protect the public from, and to facilitate proceedings against, such frauds, registered the Trade Mark here shown. As a further security, the name "DR. BOW'S LINIMENT" (also a Trade Mark) appears in the Government Stamp.

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# FROM 1,000 to 1,300

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show their appreciation of  
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**OUR LIST**  
to them by asking us  
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CURRENT ISSUE, August 1st.

## MAY, ROBERTS & CO.'S

(LYNCH & CO., of Silver St., Incorporated)

### Illustrated Price List

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LONDON.



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At  
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times  
the —  
question of  
appearance is  
studied by people  
who are troubled in  
any way with Hair  
Weakness or Disease. They  
are always on the look out  
for some treatment which will  
speedily rectify their particular  
hair ailment. Since the announce-  
ments of 'HARLENE HAIR DRILL'  
have appeared in the Press thousands  
of people are now following the treatment  
on the lines laid down. We have given  
away over

## 2,000,000 FREE SAMPLE BOTTLES

with which is enclosed a letter urging the recipients' con-  
tinuance of "HARLENE HAIR DRILL." A huge demand has  
naturally followed all over the country, and you should be  
receiving your share of the sales. If you do not notice any increase,  
kindly let us send you some dummies and show cards to exhibit  
as a reminder. If you have never stocked our preparations, may we  
draw your attention to

### OUR SPECIAL OFFER BELOW.

<b>"HARLENE."</b> <i>For the Hair.</i>				<b>"UZON."</b> <i>Brilliantine.</i>				<b>"CREMEX."</b> <i>Shampoo Powders</i>			
No.	size	Retail.	Wholesale.	No.	size	Retail.	Wholesale.	No.	size	Retail.	Wholesale.
1	size	1/-	11/- doz.	1	size	1/-	11/- doz.	1	size	1/-	11/- doz.
2	"	2/6	27/3 "	2	"	2/6	27/3 "	2	"	1/-	11/- doz.
3	"	4/6	47 - "	3	"	2/6	27/3 "	3	"	1/-	11/- doz.

Subject to full trade discount of 20 %.

We are now prepared to supply goods to the value of £2 net (cash with order) as a trial stock, and will include  
costly advertising matter to assist the sales. This parcel may be made up to customer's requirements, and is  
subject to full trade discount of 20 %.

Fully Illustrated price list and further particulars sent post free from

**EDWARDS' HARLENE CO., 95 & 96 High Holborn, LONDON, W.C.**



ELLIMAN.

# Offers.

ELLIMAN.

**NUMBER 1.** *ONE INSIDE SHOWCARD* to any of the enclosed patterns. The dimensions and a reference letter are marked upon the back to avoid the return of the one selected.

**NUMBER 2.** Three dummies ROYAL Embrocation 2/- size.  
Six " " " 1/- size.  
Six " UNIVERSAL " 1/1½ size.

**NUMBER 3.** 250 Counter Bills, 50 R.E.P. Booklets as patterns enclosed with your name and address printed on them. (Carriage paid by Passenger Train.)

Please return this Sheet, CROSSING OUT the offer you do not accept, affixing below one of your labels and MARKING AT THE SIDE of it the reference LETTER OF THE SHOWCARD SELECTED.

By using this form, we can pass it immediately into the department that will attend to it.

Space for Business Label.

If any communication of the nature of a letter be added, then this may not be sent in an open envelope with a half-penny stamp upon it.

**Address: ELLIMAN, SONS & CO., SLOUGH, ENGLAND.**

DUPLICATE

of this

**MODEL**

and

**PATTERNS**

sent upon receipt of

**POSTCARD**

request for same;  
also one each free  
copies (for office  
use), of the

**R.E.P.**

and

**E.F.A.****Books.**

## HODGKINSONS' SYRUP OF FIGS

### CADBURY'S COCOA

A DELICIOUS BEVERAGE AND AN INVALUABLE FOOD.